

NEW YORK:
150
Nassau St.

ENTERED AT SECOND CLASS RATES.

CHICAGO
424 North
135-13
Van Buren



THE NATIONAL PROVISIONER

PUBLISHED WEEKLY

The Organ of the Meat and Provision Industries of the U. S.



Vol. XXV

NEW YORK AND CHICAGO, JULY 13, 1901

No.

SEE THE TABER ROTARY PUMPS

IN OPERATION AT THE

LIBRARY

RECEIVED
JUL 15 1901

PAN-AMERICAN

Block 25 Machinery Hall

EXPOSITION

ESTABLISHED 1857

Rohe & Brother

Pork and Beef Packers and Lard Refiners

Curers of the Celebrated
"REGAL" Ham, Breakfast Bacon
and Shoulder
Manufacturers of the
Famous Brand "PURITY" Lard
GOODS FOR EXPORT AND HOME TRADE
" " IN ANY DESIRED PACKAGE " "

Export Office
344 Produce Exchange New York

Main Office
264, 266, 268 West 53d St.

PACKINGHOUSES

264, 266, 268 W. 53d St.
513 to 543 W. 56th St.
514 to 540 W. 37th St.
547 to 549 W. 35th St.

**Nelson Morris & Co. AND
Fairbank Canning Co.**

**UNION
STOCKYARDS
CHICAGO**

Beef and Pork Packers Lard and Oil Refiners
Manufacturers of all kinds of Packinghouse Products

**NEW YORK
BRANCHES**

745 Westchester Avenue (Westchester).
12th Avenue and 12th Street (Harlem).
No. 1 Manhattan Market, W. 33th Street.

23 Tenth Avenue (Gansevoort).
94 N. 6th Street, Brooklyn, N. Y. (Williamsburg).
264 and 166 Fort Greene Place, Brooklyn, N. Y.

BRANCHES IN ALL LARGE CITIES IN
UNITED STATES AND AGENCIES IN
ALL LARGE EUROPEAN CITIES



CROSBY STEAM GAGE AND VALVE CO.
INVITE YOUR ATTENTION TO THEIR
SPRING-SEAT GLOBE AND ANGLE VALVES

Unequalled for Strength, Quality and Durability
ALL PARTS RENEWABLE WITHOUT REMOVAL FROM PIPING
Guaranteed Not to Leak All Parts Interchangeable A trial will convince you
Stores: Boston, New York, Chicago, London. Office and Works: Boston, Mass.



H
I
D
E
R
O
P

SISAL
MANILA
JUTE

ROPE!

FINISHED and
UNFINISHED
INDIA HEMP

TWINES!

H
A
M
T
W
I
N

THE AMERICAN MANUFACTURING CO. NEW YORK

Send for "A LITTLE BLUE BOOK ON

F
I
S
C
H
E
R
M
I
L
L
S
P
U
R
E
S
P
I
C
E
S
ARE THE BEST AND
303, 305 & 307 Green
N. Y. YORK

Refrigeration

BY THE

Remington System

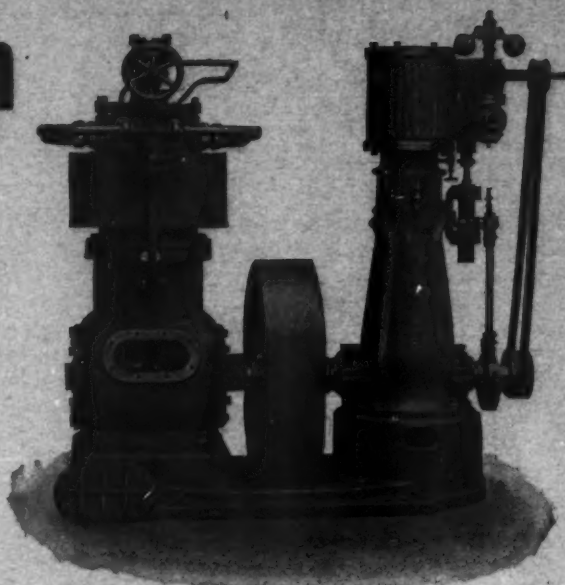
produces satisfactory results. Special designs for Cold Storage Plants, Creameries, Packing-houses, Hotels—for every purpose.

Complete Plants Erected and Guaranteed. Ice-making by Can and Plate System.

WE MAKE A SPECIALTY OF SMALL MACHINES.

Remington Vertical Ammonia Compressors

Built with engines connected direct or for belt. Catalogue A ready; send for it.



Remington Machine Co.,

Builders of Ice and Refrigerating Machinery, Wilmington, Delaware.

Sole Curers and Proprietors of
"Ferguson" Hams and Bacon
"Blue Brand" All Leaf Lard
"Red Brand" Pure Lard
"Advance Brand" Pure Lard
All Highest Quality Products

General Offices
77 & 79 So. Market St., Boston, Mass.

First in Careful Selection First in Expert Curing First in Results
That's a faithful description of all the Pork and Beef Products of the

BOSTON PACKING AND PROVISION CO.

FOR BOTH DOMESTIC AND EXPORT TRADE

ESTABLISHED 1861

NEW YORK OFFICE, 450 Produce Exchange
PACKINGHOUSE, CAMBRIDGE, MASS.

Established 1842

Incorporated 1892

John P. Squire & Co.'s LEAF LARD

PURE KETTLE-RENDERED

39 and 40 North Market Street. Boston. Mass.

Established 1868.
Incorporated 1888.

CANNED SOUPS
BARRELED BEEF
CANNED MEATS

LIBBY, McNEILL & LIBBY,

PACKERS AND PRESERVERS OF MEATS

Cervelat, Salami, Holstein, Farmer and other kinds of Sausage.
Hotels supplied with Cuts of Beef, Pork, Mutton, Veal, Poultry, etc.

Union Stock Yards,
Chicago, Ill., U. S. A.

SMOKED MEATS
EXTRACTS OF BEEF
CONDENSED MINCE MEAT

ARMOUR PACKING CO.

KANSAS CITY, MO., U. S. A.

"GOLD BAND" Brand

Hams and Bacon, Sliced Ham and Sliced Breakfast Bacon

"WHITE LABEL"

Lard and Soups

"HELMET"

Canned Meats and Minced Meat

The G. H. Hammond Company

HAMMOND, IND. OMAHA, NEB. ST. JOSEPH, MO.

Shippers of

Dressed Beef, Sheep and Hogs

Makers of Coin Special and Calumet Brands of Beef Extract, Canned Meats,
Hams, Bacon, Lard, Sausages and BUTTERINE

WE ESPECIALLY SOLICIT CORRESPONDENCE ON BUTTERINE

NEW YORK BRANCH, 309 Greenwich Street
CHICAGO BRANCH, 218 La Salle Street

BOSTON BRANCH 12 Clinton Street
LONDON BRANCH, 89 Charterhouse Street

THOMAS J. LIPTON COMPANY,

PORK PACKERS

"Finest" Brand

Hams and Bacon

A Specialty

Every Piece Guaranteed

PROVISION DEALERS

LARD REFINERS

SAUSAGE MAKERS

Union Stock Yards, Chicago, Ill.

Anglo-American Provision Company

**Pork Packers, Lard Refiners
... and Sausage Makers ...**

Proprietors of the Celebrated Delmonico, Cherry and Monopole Brands of Smoked Meats. Peach Leaf Lard and Royal Lily Compound. Cervelat and all Fancy Sausages a Specialty for Export and Domestic Trade.

Correspondence Solicited and Prices Quoted on Application.

PACKINGHOUSES, UNION STOCK YARDS,

Address all correspondence to 60 Board of Trade,

CHICAGO

SEE PAGE 7 FOR ALPHABETICAL INDEX.

SEE PAGE 5 FOR CLASSIFIED INDEX.

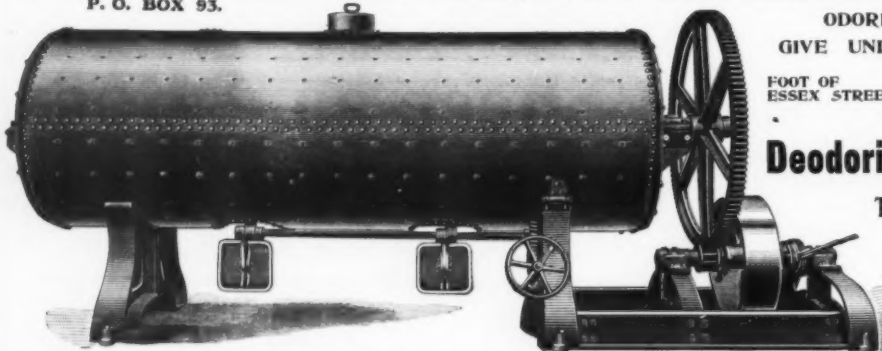
THEODORE SMITH & SONS' COMPANY

Manufacturers of Patent
Improved Fertilizer

DRYERS

of all sizes, from 3 to 5 feet Diameter, for Fertilizers, Chemical Works, and all other purposes

Manufacturers and Designers of Special Machinery for Oleo Oil and Butterine Factories and Lard Refineries.
P. O. BOX 93.



SMITH'S FERTILIZER DRYERS.

ODORLESS IN OPERATION.
GIVE UNIVERSAL SATISFACTION.

FOOT OF
ESSEX STREET, JERSEY CITY, N. J.

THE SMITH

Deodorizing Condenser

Tallow Rendering Tanks,
Lard Coolers, etc.

Used in the leading Packinghouses and Abattoirs and by the principal Butchers throughout the country.

Send for Catalogue
and Price List.

RUSSIAN SHEEP CASINGS

EXPORTERS

HABERKORN BROS.,

Admiralstättstrasse, HAMBURG, GERMANY

Importers of All Kinds of
AMERICAN SAUSAGE CASINGS.

TELEPHONE No. 87.—39TH STREET.

JOSEPH STERN & SON,

Successors to Stern & Metzger,

Wholesale Butchers

ABATTOIRS, 616, 618 & 620 W. 40th St.

SALESROOMS, 617, 619 & 621 W. 39th St., N.Y.

BEST QUALITY OF CITY DRESSED REFRIGERATED
BEEF ALWAYS ON HAND.

C. & G. MÜLLER,

Actiengesellschaft,

In Rixdorf-Berlin and Stettin,
GERMANY

Importers of

**LARD, BEEF AND PORK PRODUCTS
OF ALL KINDS, COTTONSEED OIL
AND CHOICE TALLOW.**

MAIN OFFICES:

Rixdorf-Berlin, Germany. Richardsplatz 10

EXPERIMENTAL Filter Presses

**WILLIAM R. PERRIN
& COMPANY**

CHICAGO



NEW
YORK
OFFICE:

15 Cortlandt St.

PATENTS

Quickly secured. OUR FEE DUE WHEN PATENT OBTAINED. Send model, sketch or photo, with description for free report as to patentability. 48-PAGE HAND-BOOK FREE. Contains references and full information. WRITE FOR COPY OF OUR SPECIAL OFFER. It is the most liberal proposition ever made by a patent attorney, and EVERY INVENTOR SHOULD READ IT before applying for patent. Address:

H. B. WILLSON & CO.
PATENT LAWYERS,
Le Droit Bldg., WASHINGTON, D. C.

MINERAL WOOL

MOST EFFECTIVE INSULATOR FOR COLD STORAGE, ETC.

SAMPLES FREE.

Address **United States Mineral Wool Co.,** 143 Liberty St., New York.

F. J. MACHALSKE

AGRICULTURAL
ANALYTICAL

CHEMIST

CONSULTING
TECHNICAL

P. O. ADDRESS: LOCK BOX 3.

LONG ISLAND CITY, N. Y.

Consultation, Reports on Patents, etc., Duplication of Products and Processes, Improvements of Products and Processes.

New processes and products. Improved processes and machinery for making Animal and Mineral Fertilizers, Grease, Glue, Gelatin, etc.—heavy and fine chemicals in general for the Utilization of All Kinds of Offals, by Up-to-Date Methods.

Chemico-technical Superintendence of Factories by Yearly Contracts.

Drawings, Estimates, Working Calculations furnished.

Opportunities in the South

MANUFACTURERS, BUSINESS MEN, CAPITALISTS and PRODUCERS OF MARKET PRODUCTS will find good openings in the South along the line of the

SOUTHERN RAILWAYS

The ADVANTAGES are LOW COST OF RAW MATERIAL, LABOR, FUEL, and LIVING EXPENSES; MILD CLIMATE, GOOD TRANSPORTATION FACILITIES to all markets and a STRONG DEVELOPMENT AND PUBLIC SPIRITED INTEREST permeating all classes of people.

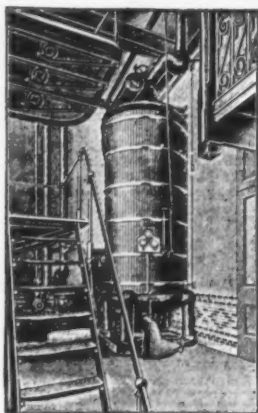
For printed information, maps, circulars, etc., write to

M. V. RICHARDS.

Land and Industrial Agent,
Southern Railway. Washington, D. C.

CLASSIFIED INDEX TO ADVERTISEMENTS AND BUYERS' GUIDE.

- AIR COMPRESSORS.**
Stilwell-Bierce-Vaile Co.
- AMMONIA.**
National Ammonia Co.
- AMMONIA FITTINGS.**
Tight Joint Co.
Wolf Co., The Fred W.
- AMMONIA PIPE FITTINGS AND FLANGE UNIONS.**
Tight Joint Co.
- ARCHITECTS.**
Perrin, Wm. R. & Co.
- BAGS.**
Gulf Bag Co.
- BELTING.**
The S. Howes Co.
Main Belting Co.
- BLOWERS.**
The S. Howes Co.
Sturtevant Co., B. F.
- BOILER COMPOUND.**
International Boiler Compound Co.
- BONE CRUSHERS.**
Stedman Foundry and Machine Wks.
- BOOKS.**
The Blue Book (Pork and Beef Packers' Handbook and Directory).
The Red Book (Linsed Oil and Varnish Manufacture).
The Yellow Book (Manufacture of Cottonseed Oil).
The Brown Book (Manufacture of Glue and Gelatine).
Redwood's Ammonia Refrigeration.
Sausage Recipes.
Secrets of Canning.
Thomas' Am. Grocery Trades Ref. Book.
Ice Making and Refrigeration.
The Manufacture of Sausages, by James C. Duff, S. B., Chief Chemist of The National Provisioner.
- BORAX.**
Pacific Coast Borax Co.
Welch, Holme & Clark Co.
- BORACIC ACID.**
Pacific Coast Borax Co.
- BRINE COOLERS AND AMMONIA CONDENSERS.**
Carbondale Machine Co., The.
Wolf Co., The Fred W.
- BUSINESS OPPORTUNITIES.**
(Also Want and For Sale Ads.)
- BUTCHERS' APPAREL.**
David, Mrs. Leon.
Weil, Joseph.
- BUTCHERS' FIXTURES AND SUPPLIES.**
Alford, Wm. B.
Cleveland Store Fixture Co.
Columbia Fixture Co.
Dunrauf & Wicke.
Fischer & Co.
Glockler, Bernard.
Karst & Glocke.
McLean, James.
O'Brien, Jas. H. & Co.
Sender, J.
Weicks' Sons, P.
- BUTCHERS' SUPPLIES.**
(See Casing, also Machinery.)
- BUTCHERS, WHOLESALE.**
(See also Pork and Beef Packers.)
Armour Co.
Armour Packing Co.
Hammond Co., G. H.
Kingan & Co., Ltd.
Kornblum & Feinberg.
Omaha Packing Co.
Plaut, Samuel.
Schwarzschild & Sulzberger Co.
Shea, John.
Stern, Joseph & Son.
Swift and Company.
Thurston & Co., L. V.
United Dressed Beef Co.
Weishart, Morris & Co.
Weston & Levy.
- CASH REGISTERS.**
Brainin.
Schmidt Bros.
- CASINGS.**
Beckstein & Co.
Haberkorn Bros.
Illinois Casing Co.
Morris, Nelson & Co.
Oppenheimer & Co., S.
Scheideberg, H.
Swift and Company.
Weicks' Sons, P.
- CHAIN CONVEYORS.**
Jeffrey Manufacturing Co.
- CHAMPAGNE.**
Mumm, G. H. & Co.
Pommery Sec.
- CHARCOAL.**
John R. Rowand.
- CHEMISTS.**
The National Provisioner Analytical and Testing Laboratory.
B. Heller & Co.
F. J. Machalske.
- COMMISSION MERCHANTS, BROKERS AND EXPORTERS.**
(See also European Commission Merchants.)
Adams, F. C.
Adams, James M.
Biggs & Co., R. W.
Gardiner Company, The H. A.
Grossman, J.
Jamison, John.
Meeks, Dode, Co.
Mockrauer & Simons.
Osten, Victor, v. d.
Ottmann & Co., Wm.
H. J. Seiter.
Simpson, William.
Von Kolnitz & Son, Geo. F.
T. H. Wheeler & Co.
- CONDENSERS.**
Stilwell-Bierce & Smith-Vaile Co.
- COOLING TOWERS.**
Stocker, George J.
- COOPERAGE.**
Bogner, Joseph.
Naughton, M.
- COTTON OIL.**
American Cotton Oil Co.
Kentucky Refining Co.
Louisville Cotton Oil Co.
Maury, F. W.
- COTTON OIL MILL MACHINERY.**
Buckeye Iron and Brass Works, The.
Cardwell Machine Co.
Howes Co., The S.
Stilwell-Bierce & Smith-Vaile Co.
Columbus Machinery Co.
Van Winkle Gin and Machine Works
Williams Patent Crusher & Pulverizer Co.
- CROSS OIL FILTERS.**
Burt Mfg. Co.
- CURING MATERIALS.**
Klipstein & Co., A.
- CUTS OF BEEF.**
Cohen & Goldstein.
- DISINFECTANTS.**
Farbenfabriken of Elberfeld Co.
- DISINTEGRATORS.**
Holmes & Blanchard.
Stedman Foundry & Machine Co.
- DRYERS.**
(See also Fertilizer Machinery.)
Bartlett & Co., C. O.
Smith & Sons' Company, Theodore.
- ELECTRIC MOTORS.**
Sturtevant Co., B. F.
- ELEVATING CONVEYING MACHINERY.**
Jeffrey Manufacturing Co.
- ENGINES AND BOILERS.**
Frick Co.
Brown Gas Engine Co.
- EUROPEAN COMMISSION MERCHANTS.**
Mueller, C. & G.
Osten, Victor, v. d.
Relecom, Victor (Belgium).
Tickle, W. W. (England).
- EXHAUST HEADS.**
Burt Mfg. Co.
Sturtevant Co., B. F.
- EXHAUST FANS.**
The S. Howes Co.
Sturtevant Co., B. F.
- EXPRESSMEN.**
Gillen, Jack.
Kauffmann, Ed.
- FANS.**
Hunter Fan and Motor Co.
- FAT AND SKIN DEALERS.**
Brand, Herman.
Lesser, Fred.
Levy, Joseph.
- FEED WATER HEATERS.**
Stewart Heater Co.
Stilwell-Bierce & Smith-Vaile Co.
- FERTILIZER MACHINERY.**
Jeffrey Manufacturing Co.
Simpson, J. S. & G. F.
Smith & Sons' Company, Theodore.
Stedman Fdy. & Mach. Works.
William Patent Crusher & Pulverizer Co.
- FILTER PRESSES.**
Perrin, William R.
Stilwell-Bierce & Smith-Vaile Co.
Johnson, John & Co.
- FRESH FISH.**
Haley & Co., Caleb.
Lynch & Co.
- Powell's Son & Co., John.**
Warner & Prankard.
- GRAPHIC PAINT.**
Dixon Crucible Co., The.
- HAM CASINGS.**
Ham Casing Company, The.
- HEATING AND VENTILATING APPARATUS.**
Sturtevant Co., B. F.
- HIDES.**
Brand, Herman.
- HYDRAULIC PRESSES.**
Hydraulic Press Mfg. Co.
Thomas-Albright Co.
- ICE AND REFRIGERATING MACHINES.**
American Linde Refrigeration Co.
Arctic Machine Mfg. Co.
Barber Mfg. Co., A. H.
Challoner's Sons Co., Geo.
Frick Co., The.
Remington Machine Co.
Vilter Manufacturing Co.
Vost Machine Co., Henry.
Wolf, Fred W. Co.
York Manufacturing Company.
- INSULATING MATERIALS.**
Cabot, Samuel.
Standard Paint Co.
- LABORATORY.**
The National Provisioner Analytical Laboratory.
- LARD COOLER, MIXER AND DRYER.**
Dopp, H., Wm. & Son.
Smith's Son, John E.
- LARD PRESSES.**
Boomer & Boschert Press Co.
- LARD REFINERS.**
The W. J. Wilcox Lard and Refining Co.
- LARD REFINERS' MACHINERY.**
Theodore Smith & Sons' Company.
- LINSEED OIL MACHINERY.**
The Buckeye Iron & Brass Works.
- MANUFACTURING SITES.**
So. Port Huron Improvement Co.
- MARGARINE MACHINERY.**
Grasso, Henry.
- MEAT CHOPPERS.**
Smith's Sons, John E.
- MEAT CURING MACHINES.**
Hatch, A. H.
- MEAT CUTTERS.**
Smith's Sons, John E.
- MEAT SPECIALTIES.**
Appel & Co., M.
Snyder, N. H.
- MECHANICAL DRAFT APPARATUS.**
Sturtevant Co., B. F.
- MINERAL WOOL.**
U. S. Mineral Wool Co.
- OIL FILTERS.**
Burt Mfg. Co.
- PACKINGHOUSE MACHINERY AND SUPPLIES.**
William R. Perrin & Co.
Smith's Sons, John E.
Welch, Holme & Clark Co.
- PAINT.**
Standard Paint Co.
- PASTE.**
Arabol Mfg. Co.
- PATENTS.**
Willson, H. B. & Co.
- PICKLING WORKS.**
Enoch & Co., Jacob.
- PIGS' FOOT SPLITTERS.**
Smith's Sons, John E.
- PIPE COVERINGS.**
Keasley, Robert A.
- PORK AND BEEF PACKERS.**
Armour & Co.
Armour Packing Co.
Bailey & Co., J. S.
"Beech-Nut" Packing Co.
Boston Packing & Provision Co.
Dold Packing Co., The Jacob.
Halstead & Co.
Hammond, G. H., Co.
Heyer, A. Lester.
Kingan & Co., Ltd.
Libby, McNeill & Libby.
Lipton, The T. J., Co.
Morris, Nelson & Co.
North Packing & Provision Co.
Omaha Packing Co.
Rohe & Brother.
Sinclair & Co., Ltd., T. M.
Squire, John P., & Co.
Street & Corkran.
Swift and Company.
- POTATO FLOUR.**
Morningstar, Chas. & Co.
- POULTRY.**
Conron Bros.
Thurston, L. V. & Co.
- POWER TRANSMISSION MACHINERY.**
Jeffrey Manufacturing Co.
Stilwell-Bierce & Smith-Vaile Co.
- PRESERVATIVES.**
B. Heller & Co.
Preservaine Mfg. Co.
- PRESSES.**
The Boomer & Boschert Co.
Thomas-Albright Co.
- PROPOSALS FOR SUBSISTENCE SUPPLIES.**
- PROVISIONS.**
Bailey and Co., J. S.
Bower, John & Co.
Dreyfus & Co.
Gelles, Isaac.
Harnischfeger, Chas.
Ileicht & Co., Alex.
Probeck, P. J.
Ohio Provision Co.
C. H. Reed's Sons.
Sagemann, C. H.
Springfield Provision Co.
Zimmerman, M.
- PUMPS.**
Hersey Mfg. Co.
Taber Pump Co.
- RAILROADS.**
"Big Four Route" (C., C. & St. L. Ry.)
Lackawanna Railroad.
N. Y. C. & H. R. R. Co.
Southern Railway Co.
- REFRIGERATING ENGINEERS.**
Wolf Co., The Fred W.
- REFRIGERATING PIPE.**
Wolf Co., The Fred W.
- RENDERING AND DRYING PROCESSES.**
W. E. Garrigue.
- ROPE AND TWINE.**
American Mfg. Co., The.
- RUSSIAN SHEEP CASING.**
Haberkorn Bros.
- SAFE DEPOSIT AND STORAGE.**
N. Y. Produce Exchange Safe Deposit Co.
- SAL SODA.**
Welch, Holme & Clark Co.
- SAUSAGE BOOKS.**
The National Provisioner.
- SAUSAGE MANUFACTURERS.**
Bacharach, Joseph.
Manhattan Sausage Co.
Zimmerman, M.
- SCALES.**
Pelouze Scale & Mfg. Co.
- SCREENING MACHINERY.**
Jeffrey Manufacturing Co.
- SAUSAGE MAKERS' SUPPLIES.**
B. Heller & Co.
- SEPARATORS.**
Howes Co., The S.
- SILICATES OF SODA.**
Welch, Holme & Clark Co.
- SKEWERS.**
P. E. Helms.
- SPICES.**
Fischer Mills.
- SPICE GRINDERS.**
Smith's Sons, John E.
Simpson, J. S. & G. F.
- SOAP.**
Armour Soap Works.
- SOAPMAKERS' MACHINERY.**
H. Wm. Dopp & Son.
Hersey Mfg. Co.
Taber Pump Co.
- SOAPMAKERS' SUPPLIES.**
Welch, Holme & Clark Co.
- SODA ASH.**
Welch, Holme & Clark Co.
- STEAM AND POWER PUMPING MACHINERY.**
Stilwell-Bierce & Smith-Vaile Co.
- STEAMSHIP LINES.**
New York & Porto Rico Steamship Company.
- STEAM GAGES.**
Crosby Steam Gage and Valve Co.
- SWITCHES.**
Rice-Beitenmiller Switch Co., The.
- VALVES.**
Crosby Steam Gage & Valve Co.
Jenkins Bros.
Wolf Co., The Fred W.
- WASHING POWDER.**
Armour Soap Works.
- WANT AND FOR SALE ADS.**



THE HENDRICK
Brine Cooler
 AND
Ammonia
Condenser

connected with your Ammonia Compressor will give you

COLDER BRINE,
INCREASED
CAPACITY,
DECREASED
COAL BILLS.

FOR CATALOGUE, PARTICULARS, ETC., ADDRESS

THE CARBONDALE MACHINE CO.

New York Office: No. 26 Cortlandt St.

Carbondale, Pa.

Boston Office: No. 544 Tremont Bldg.



The Stocker Cooling Tower.—Huse & Loomis Ice and Transportation Co., St. Louis, Mo.

Geo. J. Stocker

2833 Victor Street
 ST. LOUIS, MO.

Manufacturer of

**COOLING
 TOWERS**

Patents JOHN STOCKER

Apparatus for the
 Re-cooling of Ammonia &
 Steam Condenser Water

SAVES FROM 90 TO 95%
 OF WATER

Highest efficiency, lowest temperature guaranteed.
 References from leading firms all over the United States.
 Payments in instalments according to saving of fuel and water agreed to.

Write for circular and prices.

**T. M. SINCLAIR
 & COMPANY**

Limited

Cedar Rapids, Iowa

**PORK AND BEEF
 PACKERS**

AMERICAN BRANCHES:

New York, N. Y.
 Des Moines, Iowa.
 Peoria, Ill.
 Portland, Ore.
 Davenport, Iowa.
 Clinton, Iowa.
 Dubuque, Iowa.
 Aurora, Ill.
 Chicago, Ill., 245-256 So. Water St.

FOREIGN AGENCIES:

Liverpool.
 Glasgow.
 Hamburg.
 Berlin.
 Antwerp.
 Rotterdam.
 Bordeaux.
 Copenhagen.

HALSTEAD & CO.

Packers and Provision Dealers

200 FORSYTH STREET, NEW YORK.

Registered Cable Address "Roomfull" New York.

United States and Egypt Trading Co.

71 BROADWAY, NEW YORK

BRANCHES IN

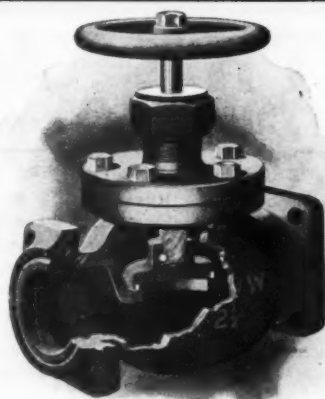
PORT SAID, CAIRO AND ALEXANDRIA (EGYPT)

WILLARD BROWN, President.
 A. B. AUERBACH, General Manager.
 Authorized Capital, \$500,000.

**CORRESPONDENCE SOLICITED IN REGARD TO THE MAGNIFICENT FIELD OF EGYPT
 AND THE SOUDAN FOR ALL PACKINGHOUSE PRODUCTS**

See Directories for Buyers' Information, Pages 45-48

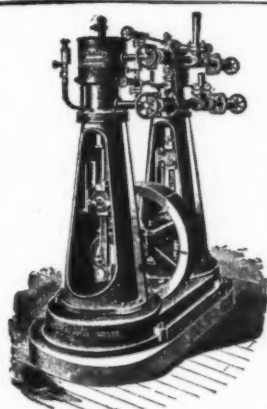
**OUR VALVES
AND
FITTINGS**
ARE SUITABLE FOR EVERY
ICE MACHINE
—
OUR ICE MACHINERY
IS
SUITABLE FOR EVERY
PACKINGHOUSE



THE ONLY VALVE

**THE
FRED. W. WOLF CO.**

141 RFES STREET,
CHICAGO.



Ice and Refrigerating Machinery

Refrigerating Machines are rapidly taking the place of ice for refrigerating purposes. A lower temperature can be secured. The cold is absolutely dry. It will pay you to investigate and get estimate on plant.

OURS ARE THE ONLY SMALL MACHINES OF DUPLEX TYPE

Equivalent to two independent machines. One always in reserve as protection against loss from stoppages and break downs.

Small Plants from 2 to 10 tons refrigerating capacity our specialty

Estimates cheerfully and promptly given.

Write for our catalogue and handsomely illustrated booklet named "Cold Making"

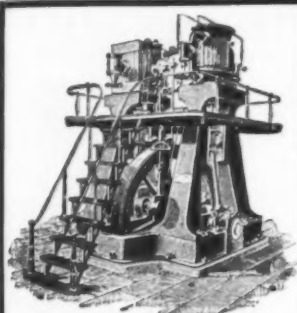
Creamery Package Manufacturing Co.

1, 3 and 5 W. Washington Street, Chicago, Ill.

ALPHABETICAL INDEX TO ADVERTISERS

A —Abendroth & Root Mfg. Co.....	8	Crosby Steam Gage & Valve Co.....	1	I —Illinois Casing Co.....	44
Adams, F. C.....	48	D —David, Mrs. Leon.....	47	International Boiler Compound Co.....	43
Adams, James M.....	48	Dixen Crucible Co., Jos.....	20	International Trade Mark Protective Co.....	19
Adler & Oberndorf.....	48	Dold Packing Co., The Jacob.....	49	J —Jamison, John.....	35
Aitchison Perforated Metal Co.....	44	Dopp & Son, H. Wm.....	49	Jeffrey Manufacturing Co.....	45
Alford, W. B.....	46	Dreyfus & Co.....	47	Jenkins Bros.....	50
American Cotton Oil Co.....	33	Dumrauf & Wicke.....	47	Johnson & Co., John.....	33
American Linde Refrigeration Co.....	10	F —Farbenfabriken of Elberfeld Co.....	—	Joosten, C. H.....	48
American Mfg. Co., The.....	1	Fischer & Co.....	46	K —Karst & Glocke.....	47
Anglo-American Provision Co.....	3	Fisher Mills.....	1	Kaufmann, Ed.....	47
Appel & Co., M.....	46	Frick Co.....	10	Keasbey, Robert A.....	36
Arabol Mfg. Co.....	45	G —Gade, Henry.....	48	Kentucky Refining Co.....	38
Arctic Machine Mfg. Co.....	8	Gallaher & Speck.....	43	Kingan & Co.....	44
Armour & Co.....	52	Gardiner Company, The H. A.....	48	Klipstein & Co.....	17
Armour Packing Co.....	2	Garrigues, W. E.....	44	Kornblum & Feinberg.....	46
Ault, C. B.....	50	Gelles, Isaac.....	48	L —Lackawanna Railroad.....	49
B —Bacharach, Jos.....	44	German-American Cable Co.....	16	Leicht & Co., Alex.....	47
Bailey & Co., J. S.....	49	Gillen, Jack.....	46	Lesser, Fred.....	47
Barber Mfg. Co., A. H.....	51	Gloekler, Bernard.....	46	Levy, Joseph.....	47
Bartlett & Co., C. O.....	50	Grace, Isaac, Jr.....	37	Libby, McNeill & Libby.....	2
Bechstein & Co.....	44	Graef & Co., Chas.....	50	Lindenmeyr, H. & Sons.....	48
"Beech-Nut" Packing Co.....	46	Grasso, Henry.....	50	Lipton Company, The T. J.....	3
Biggs & Co., R. W.....	48	Grossman, J.....	46	Louisville Cotton Oil Co.....	33
Big Four R. R. Co.....	—	Gulf Bag Co.....	30	Lynch & Co.....	43
Bloch, Isidore.....	48	H —Haberhorn Bros.....	4	M —Machalske, F. J.....	4
Bogner, Joseph.....	16	Haley & Co., Caleb.....	47	Main Belting Co.....	45
Boomer & Boschert Press Co.....	36	Halstead & Co.....	6	Manhattan Sausage Co.....	48
Boston Packing & Provision Co.....	2	Ham Casing Co., The.....	—	Marscheider, E.....	47
Bott Bros. Mfg. Co.....	16	Hammond Co., Geo. H.....	3	Marx, Richard.....	48
Bower & Co., John.....	47	Harnischfeger, Chas.....	47	Maury, F. W.....	48
Brainin.....	47	Harrison, James.....	48	McLean, James.....	47
Brand, Herman.....	47	Hatch, A. H.....	50	Meeks, Dode Co.....	43
Brown Gas Engine Co.....	30	Heller & Co., B.....	37	Merrill Mfg. Co.....	20
Brown, St. John & Co.....	39	Hellriegel & Co.....	35	Mockrauer & Simons.....	45
Buckeye Iron & Brass Works.....	51	Helms, P. E.....	—	Morningstar & Co., Chas.....	45
Burt Mfg. Co., The.....	—	Herr & Frerichs Chemical Co.....	10	Morris & Co., Nelson.....	1
C —Cabot, Samuel.....	—	Heering, Louis.....	48	Mound City Packing Co.....	39
Carbondale Machine Co., The.....	6	Hersey Mfg. Co.....	—	Muller, C. & G.....	4
Cardwell Machine Co.....	33	Heyer, A. Lester.....	34	Mumm & Co., G. H.....	43
Challoner & Sons Co., The Geo.....	9	Hide & Leather Pub. Co.....	50	N —National Ammonia Co.....	10
Cleveland Store Fixture Co.....	16	Holmes & Blanchard.....	9	Naughton, M.....	—
Cohen & Goldstein.....	46	Hotel Brazeal.....	45	N. J. Melting & Churning Co.....	21
Columbia Fixture Co.....	47	Howes Co., The S.....	16	N. Y. Central R. R. Co.....	—
Columbus Machinery Co.....	33	Hunter Fan & Motor Co.....	36	N. Y. Produce Exchange Safe Deposit Co.....	44
Conron Bros.....	46	Hydraulic Press Mfg. Co.....	44		
Creamery Pkg. Mfg. Co.....	7				

(Continued on page 8.)



When in Buffalo this
Summer go to Dold's
and see an ARCTIC
running ~ ~ ~ ~ ~

"THE ARCTIC"

Are you in the Market for a Refrigerating Plant?

HERE ARE A FEW PACKERS USING "ARCTIC" MACHINES

Armour & Co., Kansas City, 7 Machines.
Jacob Dold Packing Co., Kansas City and Buffalo, 5 Machines.
Schwarzschild & Sulzberger, Kansas City, 3 Machines.
Cleveland Provision Co., Cleveland, O., 5 Machines
Lake Erie Provision Co., Cleveland, O., 1 Machine.
Ohio Provision Co., Cleveland, O., 1 Machine
and many others, both large and small.

WRITE TO **THE ARCTIC MACHINE CO., CLEVELAND OHIO**

The VILTER MANUFACTURING CO., 806-826 Clinton St., Milwaukee, Wis.

Builders of Improved Compression Refrigerating and Ice Making Machinery.

For Packinghouses, Abattoirs, Markets, Cold Storage Houses, Breweries, Hotels, Ammonia Factories and Ice Plants.

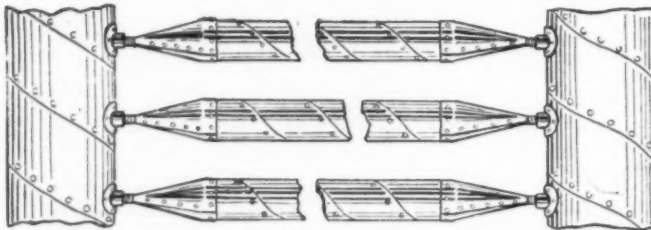
THE FOLLOWING PACKERS HAVE OUR MACHINES IN USE.

Cudahy Bros. Co., Milwaukee, Wis., two 150-ton.
Plankinton Packing Co., Milwaukee, Wis., one 100-ton, (second order)
one 150-ton.
F. C. Gross & Bros. Co., Milwaukee, Wis., one 35-ton.
R. Gumz & Co., Milwaukee, Wis., one 25-ton.
L. Frank & Son Packing Co., Milwaukee, Wis., one 25-ton.
O. F. Mayer & Bro., Chicago, Ill., one 10-ton, (second order) one 20-ton.
Swift and Company, Chicago, Ill., one double 400-ton.
Nelson Morris & Co., Chicago, Ill., one double 200-ton.
Fairbank Canning Co., Chicago, Ill., one double 200-ton.
Thos. J. Lipton Co., Chicago, Ill., one 75-ton, (second order) one 75-ton.
Schwarzschild & Sulzberger Co., Kansas City, Kan., two 100-ton, (second
order) one 200-ton, (third order) one 200-ton.
Schwarzschild & Sulzberger Co., New York, (fourth order) one 200-ton.
J. Fleischhauer & Bro., New York, N. Y., one 50-ton.
Edward C. Krummel, Brooklyn, N. Y., one 35-ton.
Edward Lusch, Troy, N. Y., one 25-ton.
Thos. Bradley, Philadelphia, Pa., one 35-ton.
Charles Roesch & Sons, Philadelphia, Pa., one 50-ton.

IMPROVED CORLISS ENGINES

John Peters, Williamsport, Pa., one 50-ton.
Nick Auth, Washington, D. C., one 50-ton.
Butchers' Slaughtering & Melting Ass'n, Brighton, Mass., one 75-ton.
Arbogast & Bastian, Allentown, Pa., one 25-ton.
Joseph Obert, Lehigh, Pa., one 50-ton.
Rosslyn Packing Co., Rosslyn, Va., one 35-ton.
Cudahy Packing Co., South Omaha, one 150-ton.
Cudahy Packing Co., Kansas City, Mo., (second order) three 200-ton.
International Packing Co., Sioux City, Ia., three 100-ton.
Chicago Packing & Provision Co., Nebraska City, Neb., one 50-ton, (second
order) one 75-ton.
Lincoln Packing Co., West Lincoln, Neb., one 75-ton.
Pacific Meat Co., Tacoma, Wash., one 35-ton.
John Hoffmann, Cincinnati, O., one 50-ton.
Canadian Packing Co., London, Ont., one 35-ton.
F. W. Fearman Co., Ltd., Hamilton, Ont., one 40-ton.
Ingersoll Packing Co., Ingersoll, Ont., one 75-ton.
International Packing Co., Chihuahua, Mexico, one 80-ton.
Ramirez & Zepeda, City of Mexico, one 35-ton.

Pipe for Brine Circulation.



Root's Double Galvanized Spiral Riveted Pipe

With Special Couplings. The most improved device for this service.

Light to put up. Cheap to buy. Does not corrode.

Used by Kingan & Co., F. C. Linde and many other prominent Cold Storage Plants.

ABENDROTH & ROOT MFG. CO., NEW YORK, CHICAGO, DALLAS, TEX.

THE NATIONAL PROVISIONER

Annual Subscription

Only \$3.00
for 52 Weekly Issues.

ALPHABETICAL INDEX TO ADVERTISERS—Continued from page 7

N. Y. & Porto Rico Steamship Co.	17	Rohe & Brother.	1	T—Taber Pump Co.	1
North Packing & Provision Co.	49	Relecom, Victor.	48	Thomas-Albright Co.	9
O—O'Brien & Co., James H.	47	Rowand, John R.	36	Thum, O. & W.	19
Ohio Provision Co.	43	S—Sagemann, C. H.	46	Thurston & Co., L. V.	46
Omaha Packing Co.	47	Scheideberg, H.	48	Tickle, W. Wilson.	44
Oppenheimer & Co., S.	44	Schmitt Bros.	48	Tight Joint Co.	—
Osten Victor v.d.	48	Schwarzschild & Sulzberger Co.	50	U—United Dressed Beef Co.	49
Ottmann & Co., Wm.	48	Seiter, Henry J.	17	United States & Egypt Trading Co.	6
P—Pacific Coast Borax Co.	52	Sender, J.	46	United States Mineral Wool Co.	4
Pelouze Scale Co.	—	Shea, John	46	V—Van Winkle Gin & Machine Works.	36
Perrin & Co., Wm. R.	4	Simpson, William	26	Vilter Mfg. Co.	8
Plaut, Samuel	47	Simpson, J. S. & G. F.	26	Von Kolnitz & Son, George F.	48
Powell's Son & Co., John	46	Sinclair & Co., Ltd., T. M.	6	Vogt Machine Co.	—
Preservaline Mfg. Co.	45	Smith & Son's Co., Theodore	4	W—Warner & Frankard.	47
Probeck, P. J.	16	Smith's Sons, John E.	51	Weick's Sons, P.	45
Proposals for Supplies.	23	Snyder, H. N.	46	Weil, Joseph	46
R—Reed Sons, C. H.	46	Southern Railway	4	Weils Casing Co.	16
Remington Machine Works.	3	Springfield Provision Co.	4	Weisbart & Co., Morris	46
Rice-Beitenmiller Switch Co., The	21	Squire & Co., John P.	45	Welch, Holme & Clark Co.	31
Ricker, W. G.	46	So. Port Huron Improvement Co.	17	Weston & Levy	46
Riley & Mudge.	48	Standard Paint Co.	24	Wheeler & Co., T. H.	48
Roberts & Bro., J. B.	48	Stern & Son, Joseph	4	Wilcox Lard & Refining Co., The W. J.	—
		Sedman Foundry and Machine Works.	43	Williams Pat. Crusher & Pulverizer Co.	—
		Stewart Heater Co.	49	Willson, H. B. & Co.	4
		Stilwell-Bierce & Smith-Vaile Co.	6	Wolf Co., The Fred W.	7
		Stocker, Geo. T.	6		
		Streets & Corkran.	19	Y—York Mfg. Co.	16
		Sturtevant Co., B. F.	21	Z—Zimmerman, M.	45
		Swift & Company.	22		

BIG FOUR
Delivered CINCINNATI AND
 CHICAGO
 ST. LOUIS
 CLEVELAND
 NEW YORK
 BOSTON
Finest Trains in America

Subscription Canvassers

WANTED IN LEADING CITIES
 THROUGHOUT THE WORLD.

Very Liberal Commission

For terms address

THE NATIONAL PROVISIONER,
 150 Nassau St., New York.

Refrigerating Plants

For

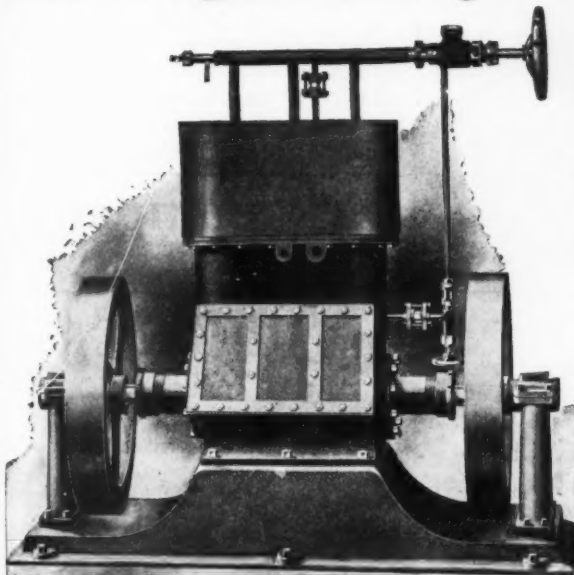
**Butchers,
 Packers,**

**Cold Storage
 Warehouses,**

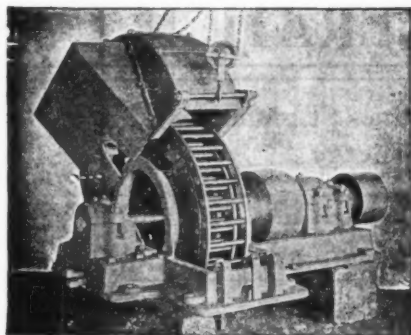
**Restaurants,
 Hotels, etc.**

Special Attention
 Given to Small
 Plants for Markets

One to Thirty
 Tons.



Geo. Challoner's Sons Co.
 35 OSCEOLA STREET, OSHKOSH, WIS.



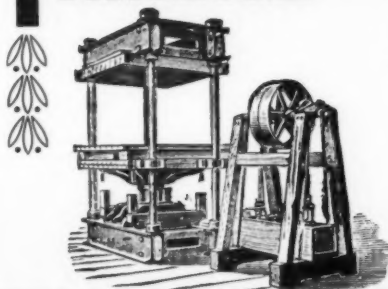
**The ORIGINAL
 Holmes & Blanchard Co.'s
 IMPROVED DISINTEGRATORS**

These Mills will Grind Raw and Steamed Bones, Tankage,
 Chemicals, Glue and other Hard Materials

We Manufacture Machinery for Fertilizer Plants, including
 Crushers, Elevator Screws, Mixers and Dryers.

HOLMES & BLANCHARD CO., 39 Charlestown St.,
 Boston, Mass., U. S. A.

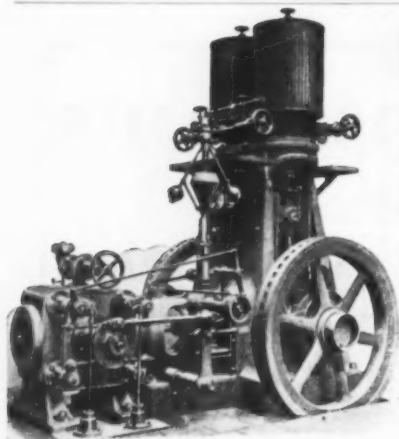
TANKAGE AND FERTILIZER PRESSES
HYDRAULIC PRESSES



**FOR OIL, LARD, SUGAR, TALLOW, COTTON,
 TANKAGE, FERTILIZERS, WOOL AND
 LEATHER IN FOUR SIZES.**

Correspondence
 Solicited. ~ ~

THOMAS-ALBRIGHT CO.,
 GOSHEN, IND.



FRICK COMPANY ENGINEERS

ESTABLISHED 1853
INCORPORATED 1885

CAPITAL, - - \$1,000,000

S. B. Rinehart, President.
A. H. Strickler, Vice-Pres.
H. B. Strickler, Treasurer.
Ezra Frick, Gen'l Man. & Sec.
A. H. Hutchinson, Manager Ice
& Refrigerating Machine Dept.

Manufacturers of the ECLIPSE ICE MAKING AND REFRIGERATING MACHINES. We build the largest and most successful Ice Making and Refrigerating Machinery made in this or any other country. Send for our list of References and New Ice Machine Circular or Red Book, describing latest improvements and methods for Making Ice and Refrigerating. Also builders of First-class CORLISS STEAM ENGINES. Send for Corliss Engine Catalog. Special High Speed (New Pattern) AUTOMATIC STEAM ENGINES.

CORLISS STEAM ENGINES. ICE MAKING MACHINERY. HIGH SPEED ENGINES

STEAM BOILERS. TANKS. AMMONIA VALVES. FLANGES and FITTINGS

**Frick Company, WAYNESBORO,
ENGINEERS, FRANKLIN COUNTY, PA.**

Manufacturers of

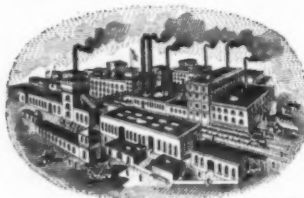
**Liquid
Anhydrous
Ammonia**

Absolutely
Dry, Pure and
Uniform all the
Year Round

OUR AMMONIA CAN BE HAD OF THE FOLLOWING:

ATLANTA, GA.—Fred W. Wolf Co.
CHICAGO—Westerlin & Campbell.
Newberry Warehouse and Storage Co., 79 Kinzie St.
F. K. Higbie.
CLEVELAND, OHIO—Cleveland Brewers' Supply Co.
DENVER, COLO.—Bridgman-Quereau & Co.
DETROIT, MICH.—Farrand, Williams & Clark.
HOUSTON, TEX.—D. M. Garvin, Lone Star Oil Co.

HERF & FRERICH'S CHEMICAL CO.
ST. LOUIS, MO.
MADE FROM SULPHATE ONLY



**26°
AMMONIA**

Specially Purified
for
Absorption
Machines

All our Ammonia is
made from Sulphate
Ammonia only . . .
Large capacity, best
qualities and quick
shipments . . .

OUR AMMONIA CAN BE HAD OF THE FOLLOWING:

KANSAS CITY, MO.—Abner Hood.
NEW ORLEANS, LA.—United Warehouse Co., Ltd.
NEW YORK—Herf & Frerichs Chemical Co.,
133 William St.
OMAHA, NEB.—Beasley & Durand, First Nat. Bk. Bldg.
SAN FRANCISCO CAL.—Turner, Donahue Co., Ltd., 927 Market St.
SOUTH OMAHA, NEB.—Cuddington & Wilcox, 2415 N St.
ST. PAUL, MINN.—C. B. Lyon & Bro.

AMERICAN LINDE REFRIGERATION CO.

Head Office, 45 Broadway, N. Y.

301 St. James St., Montreal, P. Q.

Western Office, Fisher Building, Chicago

MANUFACTURERS OF ICE AND REFRIGERATING MACHINERY AND OF THE NEW

AMERICAN-LINDE-PATENT AIR COOLER FOR CHILLING AND COOLING

Guaranteed: Dry Rooms, Quicker Chilling and Less Shrinkage

For further information apply to above offices

AMERICAN-LINDE-PATENT CONDENSOR

The National Ammonia Company



General Office

St. Louis,
Mo.



LIQUID ANHYDROUS AMMONIA

The Recognized Standard of
Quality Throughout the World

Absolutely Dry and Pure

OUR GOODS CAN BE HAD OF THE FOLLOWING:

NEW YORK—The De La Vergne Refrigerating Machine Co.—W. W. Schwenker.—The National Ammonia Co.
PHILADELPHIA—Theo. J. Goldschmid Co.
WILMINGTON—Delaware Chemical Co.
BOSTON—Lyons & Alexander Co.
BALTIMORE—F. H. Covington.
BUFFALO—S. J. Krull.
CLEVELAND—Cleveland Brewers' Supply Co.

PITTSBURG—ALLEGHENY—United Storage Co.
LIVERPOOL, ENG.—Jas. Simpson Co.
SYDNEY, AUSTRALIA—The Ammonia Co. of Australia.
ST. LOUIS—Mallinckrodt Chemical Works.—Larkin & Scheffer.
CHICAGO—A. Magnus Sons Co.—Fuller & Fuller Co.
ATLANTA—Fred. W. Wolf Co.

MILWAUKEE—Baumbach, Reichel & Co.
DETROIT—Michigan Ammonia Works.
CINCINNATI—Herman Goepper & Co.
KANSAS CITY—Cooley & Kennedy, 43 Armour Building.
NEW ORLEANS—L. N. Brunswick & Co.
HOUSTON—Southwestern Oil Co.
SAN FRANCISCO—Pacific Ammonia & Chemical Co.—Geo. Herrmann Co.

THE NATIONAL PROVISIONER

PUBLISHED EVERY SATURDAY

(Copyright, 1901, by the Food Trade Publishing Co.)

Vol. XXV.

New York and Chicago, July 13, 1901.

No. 2.

PUBLISHERS:

THE FOOD TRADE PUBLISHING CO.
(Incorporated Under the Laws of the State of
New York.)

DR. J. H. SENNER.....President
HUBERT CILLIS.....Vice-President
JULIUS A. MAY.....Treasurer
JOHN F. HOBBS.....Secretary

Editorial Department.

DR. J. H. SENNER.....Editors
COL. JOHN F. HOBBS.....Editors
GEORGE L. MCCARTHY.....Associate Editor
JAS. C. DUFF, S.B.....Technical Editor
and Chief Chemist

HEAD OFFICES:

150 Nassau Street, New York City.
Cable Address: "Sampan, New York."

GENERAL WESTERN OFFICE.

Chicago: ROOM 424, Rialto Bldg., 135-153 Van
Buren St. LEON ALEXANDRE, Acting Man-
ager.

St. Louis: Commercial Bldg., corner Sixth and
Olive Sts. W. C. HOWLAND, Representative.

Representative for Europe, HENDRICK HAR-
TOG, Hamburg, Germany. Gr. Reichenstrasse,
23 (Wilhelmshof).

Terms of Subscriptions Invariably in Advance, Postage Prepaid:

United States and Canada, excepting New
Foundland.....\$3.00
All Foreign Countries in the Postal Union,
per year (21s) (21m.) (26fr.).....5.00
Single or Extra Copies, each......10

In requesting your address changed, give OLD as well as NEW address.

Subscribers should notify us before their sub-
scriptions expire as to whether they wish to con-
tinue for another year, as all subscriptions are
entered by us for that period. Notice to discon-
tinue should be given before the expiration of
the present subscription, as otherwise we must
continue the paper for another year. The Na-
tional Provisioner is never discontinued when
the subscription expires. Failure to notify us
of the subscriber's intentions is equivalent to
their ordering the paper continued for another
year. The majority of our subscribers would
rather not have their subscriptions interrupted
and their files broken in case they fail to remit
before expiration. We, therefore, take it for
granted, unless notified at the end of the year
to discontinue, and the amount of back subscrip-
tion is paid to date, that the subscriber wishes
to receive the paper without interruption for
another year.

We do not consider that papers returned to our
office is notice to discontinue.

**No Contract made by any Repre-
sentative of this Paper is Binding
until it is accepted by the Publishers.**

**Valuable Advance Information
Exclusively to Advertisers.**

Advertising Rates on Application.

Correspondence on all subjects of practical in-
terest to our readers is cordially invited, and
the co-operation of all packers, mill owners and
superintendents, managers, employees and other
thinkers is earnestly desired. Clear, concise,
articles are especially welcome. News items,
local newspaper clippings or any information likely
to interest the trade will be thankfully received.

Money due The National Provisioner should be
paid to this office direct, or to any agent bear-
ing the written authorization of The National
Provisioner to collect. No other payments can
be recognized. Make checks, drafts, P. O. orders,
etc., payable to the order of The National Pro-
visioner, 150 Nassau Street, New York.

ARTIFICIAL COMPLEXIONS

Mr. Cleveland's Secretary of Agricul-
ture is not as enthusiastic over butter
these latter days as is Mr. McKinley's Sec-
retary of Agriculture.

Hon. J. Sterling Morton used to take
pleasure in driving his journalistic fist in-
to oleomargarine. Since he has seen more
of the practical side of the "agitator" but-
ter crowd right up there where everything
has to have the cow smell to get through
"The Conservative," Mr. Morton's paper,
is pleased to change its faith and to say
this about butterine:

The "Orange Judd Farmer," of June 8,
contains a comment on the Grout bill
which proposes a heavy tax upon "oleo
colored in imitation of butter" and com-
mends the aforesaid paternal legislation
for re-introduction at the next session of
Congress.

The question of what "color" really
imitates the complexion of normal butter
is quite puzzling. Butter depends for col-
or upon the food of the cows. It is white
in winter and golden in summer. If "oleo"
is white it is imitation of naturally color-
ed, winter-made butter. If "oleo" is yel-
low it is like the butter made in June. Un-
der the Grout law, as advocated by the
"Orange Judd Farmer," can oleo of any
color be sold at all without violating the
statute?

Artificial Complexions

The dairy journals, and even ordinary
agricultural periodicals, constantly adver-
tise various compounds and concoctions
for giving an artificial complexion to but-
ter. One of these coloring substances is
described as "fadeless" and entirely capa-
ble and efficient in giving the genuine
"June tint" to butter.

By what sort of discriminating con-
sciences are artificial coloring and com-
plexion for butter made perfectly proper
and right, and artificial coloring for "oleo"
altogether improper and wrong? Why is
it right for rancid butter, bought up by
creameries, all over the west, to be chemi-
cally treated, colored and put upon the
market as "the best Jersey," when it is
wrong to place clean, wholesome and pure
oleomargarine for sale alongside of it, if
the same has been colored even by feed-
ing carrots? Why has one product of the
bovine a right to artificial complexion and
another no right to such make-up? Why
should the selfishness of dairymen be en-
acted into law any more than
the selfishness of oleomargarine mak-
ers? Do the American people know
enough to purchase the oleaginous sub-
stance they use for spreading on their
bread? Can the people be injured by a

wholesome, cheaper and better substance
than much of the chemically-treated but-
ter, even if left free to buy it, in prefer-
ence to butter, though it may have, like
most butter, an artificial complexion?

Is not the sole object of the Grout bill to
increase the price of butter by killing off
the use of a competitor of butter called
oleomargarine?

We said these exact things both editori-
ally and before the committees in Con-
gress during the last session.

We do not see how an ungreased, think-
ing, unbiased Congressman can see other-
wise. We welcome the "Conservative" to
the bandwagon.

We think that if some Congressmen
would put their thinking apparatus in a
separator and have their reason disen-
tangled from a lot of falsity which clouds
it they would win back, in the thinking
mind, the belief that they are "intelligent
fellow citizens," and not simply talking for
local favor or grubbing for votes.

We believe that some day the insincerity
and absolute unscrupulousness of those
"butter advocates" who are leading the
campaign against butterine will be seen
and resented by the better people in and
outside of the produce butter selling in-
terests.

A VALUABLE FERTILIZER

"Northern capital and southern enter-
prise are rebuilding the South," an Atlan-
ta business man said to us the other day.
It seems true in many ways.

Not many years ago the cottonseed had
no place except in the ground as seed or
fertilizer, or in an animal's stomach for
green food. During the blockade of Char-
leston it was made into an abominable tea
and prescribed for fever. It was effective
to a degree as an anti-malarial agent. In
those days the South threw away every-
thing. Now an attempt is made to save
everything. In the case of the cottonseed
the pursuit of the by-product is as persist-
ent and as assiduous as it is with the
American hog.

One of the most expensive by-products is the ash of the cottonseed hull. When the distant mill has burned its cottonseed hulls for fuel the ashes are carefully saved and shipped away north to the State of Connecticut, where they are used at \$45 per ton as a tobacco fertilizer. The above price is at the rate of 2c. per pound above the price of German potash salts, yet the "Nutmeg" State tobacco lands seem to thrive better on this cottonseed hull ash from the seed-mill furnaces down in Dixie. The tobacco plant is a glutton when it comes to eating the potash and nitrogen from the soil. For instance, a crop of 1,800 pounds of cured tobacco leaf per acre of ground takes in the neighborhood of 150 pounds of actual potash and 100 pounds of nitrogen from the soil. Inasmuch as the tobacco crops are grown on lands which are naturally sterile in this respect these ingredients must be supplied each year.

The cottonseed oil mill is constantly "breaking out in some new place," and the end is not yet. The little cottonseed is an industrial miracle.

DISCRIMINATING LEGISLATION

The reason for taxing one line of trade while gently lifting this burden from another cannot be explained except upon the ground of favoritism.

We used to excuse the taxes on spirits, tobaccos and other articles not necessary for food on the ground that they were luxuries.

During the recent war times we shifted our base of taxation, and then got up the excuses for them. Now that peace is in sight those who most persistently and most strenuously dodged the war taxes and who were not seriously disturbed in their tax evasion have succeeded in having their war taxes repealed by Congress. They ceased dodging on July 1, and the mediums of distribution are an important auxiliary to it.

Live stock are not a luxury. Stock are a food necessity, and the live stock exchanges are necessary to their proper handling. Yet the war tax remains upon the machinery which handles our herds and flocks, while the vendors of many luxuries and their agents and brokers escape the war tax burdens. Why so? The livestock men are kicking, and they have a right to kick.

The National Livestock Exchange has decided to test the present law which requires a 2c. stamp on every transaction. It seems that there was really no intention to tax the live stock commission men. This tax slipped through by some clerical error, and it was not noticed.

THE DATE OF THE PAPER IS THE DATE OF DELIVERY

The decision of the Treasury that the stamp tax attaches from the delivery of the instrument and that the date of delivery is the date of the instrument is a most important war tax ruling in view of the fact that the war stamp tax ceased on a large number of articles on Monday, July 1. It had got to be a practice in certain quarters to affix the stamp only when the instrument upon which it was due was delivered. This was inconsequential so long as the stamp act was in force as the stamp would eventually be affixed and the government get its revenue from the instrument.

Now that the war stamp tax act has been repealed on articles which, heretofore paid \$40,000,000 per year to the Treasury and that act went into effect this week it was necessary to fix the status of these dated, but unstamped documents, etc. The Treasury has ruled that the date of the document or paper is the constructive date of its delivery for the purposes of revenue.

The status of bonded stuffs comes under a different category; has been fixed time and again over and is, therefore, settled. The status of goods in transit on ordinary bills of lading and not shipped in bond, and of certain other papers is not yet passed upon.

It has been the tradition of the Treasury to make the liberality of its constructions in favor of the government. There are odd cases in which alleged favoritism is shown, but the general trend of this Department of our general government has been to give the presumptions against the citizen.

A lot of dated, signed, but unstamped documents will wake up this week to find that they have slept ineffectually, if their dormant state has been occasioned by a desire to wake up after July 1 and still live without the war stamp upon their face.

The date of the document is the date of delivery. If that date is before July 1, 1901, the document or thing must make its contribution to the expenses of the Spanish and the Philippine wars. The Treasury has so decided and that is the law.

RETURN TO PHILADELPHIA

Dealers in oleomargarine are re-opening their establishments in Philadelphia, pending tests of the constitutionality of the restricting law passed last winter. A number of licenses have been taken out by wholesalers and preparations are being made to fight the present unjust law to the last extreme.

TO REPRESENT PACKERS AT ANTWERP

The National Provisioner has information that a business man in Antwerp desires to represent an American packing concern which at present has no agency there. Any letters addressed to us will be forwarded to him. Address the letters to "Antwerp," care The National Provisioner, 150 Nassau St., New York City, N. Y.

FEED CROPS IN FRANCE

Paris, July 11.—The Agricultural Department reports that the conditions of winter wheat are very good in one department, good in twenty-eight and fair in fifty-five departments. Spring wheat is good in five departments, fair in thirty-two and middling in six departments.

CROPS DAMAGED IN KANSAS

Topeka, Kas., July 11.—Government stations in Kansas report as follows regarding their maximum temperatures to-day: Kansas City, 103; Baker, 102; Concordia, 102; Dodge City, 98; Dresden, 106; Fort Scott, 108; Hays City, 106; Macksville, 101; Manhattan, 106; McPherson, 107; Osage City, 106; Sedan, 105; Wichita, 102; Topeka, 102.

The wind has been blowing at the rate of fourteen miles an hour from the southwest, but it was so dry that it had a blighting effect on the crops, and corn is in much worse condition than yesterday.

Reports received here to-night indicate that in no county in the State are the crops damaged less than 50 per cent. In many counties much more than 50 per cent. would be necessary to cover the estimated damage.

Bourbon, Allen, Franklin and Miami counties report almost a total loss of the corn crop. Alfalfa is about the only product standing the dry period well. It is generally conceded that this is the worst drouth since 1860 in Kansas, but it will not entail nearly so much suffering as in past years.

CROPS IN SPAIN

Severe rain storms have greatly damaged the crops in the Valladolid and other districts of Spain. In many places the crops have been virtually destroyed.

FAVOR CANADIAN CATTLE

The Norfolk (England) Chamber of Agriculture has passed the following resolution:

"The Norfolk Chamber of Agriculture protests against the continued exclusion of Canadian store cattle from Great Britain as most unjust to the grazing interest, and prays the Government to remove the restrictions at an early date and to allow these animals to be landed for fattening by British farmers. In the opinion of the Norfolk Chamber of Agriculture Canadian stores are among the most healthy cattle ever fattened in Norfolk, and in view of the complete immunity from all serious contagious diseases of the flocks and herds of Canada there is no reason for their continued exclusion from this country."

BORAX AND THE HUMAN SYSTEM

By F. W. TUNNICLIFFE, M.D. M.R.C.P.,

Professor of Materia Medica and Pharmacology, in King's College, London;

AND OTTO ROSENHEIM, Ph.D., F.C.S.

(Continued from July 6.)

Observation I. Child A.

The child was a healthy boy, aged 21-2 years, weighed 15.3 kilos, and remained in good health throughout the whole observation. He consumed daily as follows: 200 g. of bread, 550 c.c. of milk, 20 g. of butter, 30 g. of meat, 50 g. of apple compote, 10 g. of sugar, 50 ccm. of water, 5 g. of toffee. This diet was very well taken and adhered to throughout the experiment. The whole observation extended over twenty-five days, eight days being taken as a fore period, and five days as an after period. The intermediate period of twelve days consisted of a boric acid period of seven days and a borax period of five days. The pure substances, boric acid or borax as the case may be, were added to 500 c.c. of the daily milk early in the morning and were administered as shown in the following table:

Boric Acid Period.

3 days: 0.5 g. per diem = 1 in 1000 in Milk = 1 in 1800 in total Food and Drink.
3 days: 0.46 g. per diem = 1 in 700 in Milk = 1 in 1370 in total Food and Drink.
1 day: 1 g. per diem = 1 in 500 in Milk = 1 in 900 in total Food and Drink.

Borax Period.

5 days: 1.5 g. per diem = 1 in 330 in Milk = 1 in 600 in total Food and Drink.

It may be noted here that the maximum medicinal dose for this child would be 0.2 g. of boric acid and 0.27 g. of borax, also that the quantities given are greatly in excess of those required for the preservation of milk.

The analytical results obtained throughout the observation are recorded in Table II., pp. 176-7.

Referring to the tables and curves relating to child A, we purpose classifying our remarks under the following headings:

Nitrogen Metabolism

In the fore period the daily quantity of nitrogen taken in the food was 6.99 g., of which 0.65 g. were not assimilated, being lost with the faeces, corresponding to 9.3 per cent. The assimilation of nitrogen in the fore period amounted therefore to 90.70 per cent.

With the urine 4.88 g. of nitrogen were excreted, and if this amount be subtracted from the amount assimilated we obtain a daily balance of plus 1.45 g. nitrogen.

To avoid repetition we give the results with regard to the nitrogen balance and assimilation during the different periods in tabular form:

	Fore period	Boric acid period	Borax period	After period
Nitrogen in Food.....	6.99	6.29	6.20	6.29
" " Urine.....	4.88	5.41	4.62	5.49
" " Faeces.....	0.65	0.62	0.59	0.72
Balance.....	+1.45	+0.26	+0.98	+0.08
Assimilation per cent.....	90.70	90.14	90.48	88.56
Nitrogen per cent. in dry Faeces.....	6.0	5.7	6.5	6.5

From these results we are justified in concluding that neither boric acid nor borax exerts any influence upon the assimilation of proteids. The tendency of the body to reach nitrogenous equilibrium is clearly shown in the balance figures. From the amount of nitrogen excreted in the

urine during the respective periods we may perhaps draw the conclusion that boric acid in this instance tends slightly to increase and borax slightly to inhibit proteid katabolism.

Phosphorus Metabolism

The daily average quantity of phosphorus in the food during the fore period was 0.77 g., of which 0.2359 g. were lost, being excreted with the faeces. Phosphorus was therefore assimilated to the extent of 69.36 per cent. The relative excretion, etc., of phosphorus in the four periods we give in tabular form:

	Fore period	Boric acid period	Borax period	After period
Phosphorus in Food.....	0.77	0.80	0.81	0.80
" " Urine.....	0.3704	0.4515	0.4272	0.5045
" " Faeces.....	0.2359	0.2315	0.2048	0.2613
Balance.....	+0.17	+0.12	+0.18	+0.04
Assimilation per cent.....	69.36	71.06	74.82	67.34
Phosphorus per cent. in dry Faeces.....	2.2	2.1	2.2	2.4

These figures show that the phosphorus metabolism was not affected by boric acid and borax. The assimilation of phosphorus was, if anything, improved during the drug periods.

Fat Assimilation

The daily quantity of fat in the food during the fore period was 35.53 g. The fat excreted with the faeces was 2.42 grammes. The assimilation therefore amounted to 93.19 per cent. These results and those of the following periods are recorded in tabular form as follows:

	Fore period	Boric acid period	Borax period	After period
Fat in Food.....	35.53	37.16	39.00	41.68
Fat in Faeces.....	2.42	2.05	1.80	2.14
Fat balance.....	+33.10	+34.61	+37.11	+39.53
Assimilation, per cent.....	93.19	92.87	95.19	94.87
Fat in dry Faeces, per cent.....	23.0	24.3	20.8	19.5

Table II. a.

	Nitrogen assimilation, %	% N. of dry faeces	Phosphorus assimilation, %	% P. of dry faeces	Fat assimilation, %	% Fat of dry faeces	A* B	N† SO ₃
Fore period ..	90.70	6.0	69.36	2.2	93.19	23.0	20.2	5.2
Boric acid period ..	90.14	5.7	71.06	2.1	92.87	24.3	17.6	5.2
Borax period ..	90.48	6.5	74.82	2.2	95.19	20.8	14.4	5.3
After period ..	88.56	6.5	67.34	2.4	94.87	19.5	17.1	5.1

* A Inorganic SO₃

B Ethereal SO₃

† N Nitrogen of Urine

SO₃ = SO₃ of Urine

Observation II. Child B.

SHEEP RULE IN FRANCE

Two French Customs Circulars, dated the 19th April and 8th May, respectively, relative to the importation into France of sheep from Algeria and Tunis make it imperative that after 1st May, 1902, sheep imported from Tunis must have been inoculated for at least a month before shipment. Those imported from and after 15th May last, if not inoculated, must be washed, prior to shipment, by immersion in the sea or in an alkaline solution. Sheep from Algeria, even though not inoculated, will continue to be admitted into France up to 1st of May, 1902, if washed in the same manner.

It will be seen from these figures that the amount of fat retained by the body rose with the amount of fat in the food. If anything the assimilation of fat was increased during the borax period.

The chief remaining points of interest brought out by this observation are as follows:

The quantity of urine underwent slight variations during the drug periods in the direction of an increase. The increase was more marked during the boric acid period.

STOCKS OF PROVISIONS

CHICAGO

Following were the stocks of provisions on hand in Chicago, Ill., at the close of business, June 29, as reported to the Board of Trade, and attested by G. F. Stone, secretary:

	June 30, 1901.	June 30, 1900.
M. Pork, new, made since Oct. 1, '00, bbls.....	62,083	43,167
M. Pork, made Oct. 1, '00 to Oct. 1, '00.....	986	32,880
Mess Pork, win. p'd, (old) '08-00.....	...	...
Other kinds Bbid. Pork....	34,722	18,104
P. S. Lard, made since Oct. 1, 1900, tes.....	47,103	108,480
P. S. Lard made Oct. 1, '00 to Oct. 1, '00.....	...	11,744
P. S. Lard, made previous to Oct. 1, '00.....	...	...
Other kinds of Lard.....	8,498	17,792
*Short Rib Middles, made since Oct. 1, 1900, lbs....	22,200,213	18,007,825
Short Rib Middles, made previous to Oct. 1, '00, lbs	...	...
Short Clear Middles, lbs....	1,322,184	601,651
*Extra Short Rib Middles, made since Oct. 1, '00, lbs	2,480,884	1,795,236
*Extra short Rib Middles....	6,649,140	5,787,150
Long Clear Middles, lbs....	335,229	361,037
Dry Salted Shoulders, lbs....	857,885	1,284,374
Swt. Pickled Shoulders, lbs.	2,893,115	2,700,612
Swt. Pickled Hams, lbs....	34,200,743	37,591,290
Dry Salted Bellies, lbs....	12,129,472	10,915,751
Swt. Pickled Bellies, lbs....	13,415,754	7,301,007
S. P. Cal. or Pic. Hams, lbs.	8,150,068	9,623,095
S. P. Boston Shoulders, lbs.	2,649,457	2,636,925
S. P. Skinned Hams, lbs....	12,222,100	10,356,278
Other cuts of Meats, lbs....	16,675,948	16,171,097

*New season packing, reported separately for the first time Oct. 31, 1899.
*Formerly included under head of "Other Cuts of Meats."

Average weight of hogs received June, 231; June, 1900, 228; June, 1899, 230.

SOUTH ST. JOSEPH

Following were the stocks of provisions on hand in South St. Joseph, Mo., at the close of business June 29, as reported to the Stock Yards Daily Journal:

	June 29, 1901.	June 30, 1900.
Mess Pork, win. p'd (new).....	...	...
Oct. 1, 1900, bbls.....	...	...
Mess pork (old) made before Oct. 1, 1900, bbls.....	...	...
Irregular mess pork, bbls....	...	...
Other kind of bbid pork, bbls.....	116	35
P. S. lard in storage tanks and tierces, made since Oct. 1, 1900, tierces.....	5,900	2,163
P. S. lard made from Oct. 1, '00 to Oct. 1, '00, tes....	1,542	...
P. S. lard made previous to Oct. 1, '00, tes.....	...	...
Other kind of lard, tes....	1,076	...
Short rib mid. and rough or back bone—Short rib mid. made since Oct. 1, '00, lbs....	10,029,638	4,931,319
Short rib mid. and rough or back bone—Short rib mid. made since Oct. 1, '00, lbs.	...	...
Short clear middles, lbs....	4,280,483	2,895,546
Extra short clear middles made since Oct. 1, '00, lbs.	1,574,671	2,104,692
Extra short clear middles, made prev. to Oct. 1, '00, lbs.	...	...
Ex. short rib middles, lbs....	222,907	488,437
Long clear middles, lbs....	26,365	...
Dry salt shoulders, lbs....	1,715,688	1,016,786
Sweet pickled hams, lbs....	7,923,194	7,772,712
Sweet pickled shoulders, lbs	677,036	350,895
Dry salted bellies, lbs....	2,904,855	2,085,642
Sweet pickled bellies, lbs....	3,730,101	2,244,382
S. P. Cal. or Pic. hams, lbs.	1,382,576	1,353,059
S. P. Boston shoulders, lbs.	345,923	318,758
S. P. skinned hams, lbs....	1,315,920	890,657
Other cuts of meats, lbs....	4,070,553	2,617,005

KANSAS CITY

Following were the stocks of provisions on hand in Kansas City, Mo., at the close of business June 29, as reported to the Board of Trade, and attested by E. B. Bigelow, secretary:

	June 30, '01.	June 30, '00.
Mess pork, bbls.....	30	307
Other kinds pork, bbls.....	5,660	3,214
P.S. lard 'contract,' tes.....	4,349	1,712
Other kinds lard, tes.....	7,579	10,085
Short rib middles, lbs....	10,932,897	6,452,100
Short cl'r middles, lbs.	4,389,287	1,063,500
Extra S.C. Middles, lbs.	6,613,958	5,423,700
Long cl'r mid'les, lbs.	10,348	161,000
Dry salt shoulders.....	2,197,820	3,303,700
D.S. bellies, lbs.....	4,113,918	3,510,000
S.P. shoulders, lbs.....	1,300,725	478,000
S.P. hams, lbs.....	17,184,320	13,058,340
S.P. bellies, lbs.....	6,680,576	5,136,900
S.P. Cal. hams, lbs....	4,304,846	3,715,200
S.P. skin'd hams, lbs.	3,037,005	2,909,730
Other cut meat, lbs....	9,845,579	9,714,000

Live Hogs

	June, 1901.	June, 1900.
Received	329,540	306,692
Shipped	14,775	44,687
Driven Out	317,227	262,341
Average Weight.....	205	213

MILWAUKEE

Following were the stocks of provisions on hand in Milwaukee, Wis., at the close of business June 29, as reported to the Chamber of Commerce:

	June 30, 1901.	June 30, 1900.
Mess Pork, win. p'd (new)...	5,793	4,577
Mess Pork, win. p'd (old)...	...	...
Mess Pork, win. p'd, bbls....	1,311	...
Other kinds bbid. Pork, bbls.	3,774	4,071
Prime Steam Lard, Con., tes	1,226	6,939
Other kinds Lard, tes.....	530	1,644
Short Rib Middles, lbs....	1,884,714	1,766,217
Short Clear Middles, lbs....	470,503	853,183
Ex. Short Clear Middles, lbs.	155,816	205,540
Long Clear Middles, lbs....	7,760	118,681
Dry Salted Shoulders, lbs....	251,624	97,002
Sweet P'd Shoulders, lbs....	410,140	420,050
Sweet P'd Hams, lbs....	3,087,905	3,739,200
Dry Salted Bellies, lbs....	1,958,965	2,227,216
Sweet P'd Bellies, lbs....	310,870	533,300
S. P. Cal. or Pic. Hams, lbs.	575,000	900,345
S. P. Boston Shoulders, lbs.	...	...

STOCKS OF LARD

The following estimates of the stocks of lard at the close of business, July 1,

	July 1 1901	June 1 1901	July 1 1900	July 1 1899	July 1 1898
Liverpool and Manchester.....	20,000	15,000	21,000	52,000	54,000
Other British Ports	6,500	6,500	6,500	7,500	13,000
Hamburg	13,500	3,500	12,000	8,000	28,000
Bremen	1,000	1,000	3,000	4,000	4,000
Berlin	1,000	1,500	3,000	2,000	4,000
Baltic Ports	10,000	7,500	7,000	8,500	10,000
Amsterdam	1,000	1,000	4,500	2,000	2,500
Rotterdam .....	...	...	...	...	...
Manheim	3,000	3,000	3,000	10,000	10,000
Antwerp	3,000	2,500	7,000	7,000	9,500
French Ports	1,000	1,000	1,000	1,000	1,000
Italian and Spanish Ports.....	...	...	...	...	...
Total in Europe	60,000	41,000	68,000	101,000	136,000
Afloat for Europe	40,000	60,000	57,000	70,000	50,000
Total in Europe and Afloat	100,000	107,000	125,000	171,000	186,000
Chicago Prime Steam	47,193	25,388	120,233	196,738	168,234
Chicago, Other Kind	8,498	7,339	17,792	13,620	18,582
East St. Louis	4,263	2,284	8,559	14,000	2,084
Kansas City	11,923	11,292	11,797	30,013	17,578
Omaha	5,670	5,349	5,288	5,752	4,408
New York	10,379	8,205	8,766	13,036	13,913
Total tierces.....	195,926	166,827	207,406	444,150	405,749

S. P. Skinned Hams, lbs....	531,900	368,400
Other cuts of Meats, lbs....	4,470,523	4,087,611
Ex. Short Rib Middles, lbs.	327,762	500,000

SOUTH OMAHA

Following were the stocks of provisions on hand in South Omaha, Neb., at the close of business, June 29, as reported to the Omaha Board of Trade, and attested by L. C. Harding, secretary:

	June 29, 1901.	June 30, 1900.
Mess Pork, bbls.....	114	14
Other kinds bbid Pork.....	487	1,365
P. S. Lard "Contract" tes....	3,217	3,932
Other kinds Lard, tes.....	2,453	1,336
Short Rib Middles, lbs....	6,853,816	3,110,261
Short Clear Middles, lbs....	1,647,889	1,881,551
Ex. Short Clear Mid., lbs....	3,495,860	7,522,298
Ex. Short Rib Mid., lbs....	4,216,575	5,241,348
Long Clear Mid., lbs....	10,574	54,411
Dry Salt Shoulders, lbs....	834,953	1,195,942
S. P. Shoulders, lbs....	1,395,502	2,005,790
S. P. Hams, lbs.....	14,146,080	17,543,967
D. S. Bellies, lbs.....	3,667,014	2,179,964
S. P. Bellies, lbs.....	3,510,250	4,932,848
S. P. Cal. or Pic. Hams, lbs.	3,031,064	4,701,325
S. P. Skinned Hams, lbs....	4,418,271	3,074,560
Other cut Meats, lbs....	2,906,249	3,722,845
Total cut Meats, etc.....	50,134,106	56,474,499

Live Hogs

Received	204,056	241,283
Shipped .....	...	10,216
Driven out	203,842	231,231
Average Weight	242	239

OMAHA LIVE STOCK RECEIPTS

Following are the May receipts and shipments of live stock at Omaha, Neb., as reported by the Union Stock Yards Company, and attested by J. C. Sharp, secretary:

RECEIPTS.

Year.	Cattle.	Hogs.	Sheep.
1900	64,235	241,283	46,566
1901	47,312	204,056	43,235

From January 1 to June 1:

1900	366,898	1,161,765	521,839
1901	341,633	1,219,599	511,145

SHIPMENTS.

1900	9,118	10,216	10,991
1901	6,708	...	4,595

During the month of June, 1900, South Omaha consumed 55,572 cattle, 231,231 hogs, 32,670 sheep; June, 1901, 38,874 cattle, 203,842 hogs, 35,461 sheep.

Subscribe for the National Provisioner.

1901, are based upon cable advices to the N. K. Fairbank Company, and to them are added the estimates of former years:

NATIONAL LIVE STOCK ASSOCIATION

BULLETIN NO. 27

Denver, Col., July 1, 1901.

For the purpose of advising the members of the National Live Stock Association of the work that has been accomplished during the first half of the current year, it has been deemed advisable to make the following brief report:

To carry out the intention of several of the important resolutions adopted at the Salt Lake convention, President Springer early in the year appointed the following special committees.

Committee to take steps to test the validity of the law by which a reinspection and inspection fee is levied upon interstate shipments after said shipments have been granted a clean bill of health by the government:

Paul McCormick, Billings, Montana.

H. A. Jastro, Bakersfield, California.

Joseph M. Carey, Cheyenne, Wyoming.

Peter Jansen, Jansen, Nebraska.

Frank M. Stewart, Buffalo Gap, South Dakota.

Charles Gresswell, Denver, Colorado.

Committee to draft bill providing for government inspection of woolen goods:

C. O. Stockslager, Boise, Idaho.

T. C. Powers, Helena, Montana.

E. S. Gosney, Flagstaff, Arizona.

Mortimer Levering, Lafayette, Indiana.

Dwight Lincoln, Milford Center, Ohio.

Committee to draft bill providing for land exchange:

A. C. Huidekoper, Meadville, Pennsylvania.

John B. Castleman, Louisville, Kentucky.

John Sparks, Reno, Nevada.

R. M. Allen, Ames, Nebraska.

F. C. Lusk, Chico, Cal.

In carrying out the first resolution the committee experienced no little difficulty in getting a shipper to give the time and submit to the annoyance of making a test case. Finally, Mr. Ed. H. Reid, of the Flato Commission Company, of Omaha, consented to being made the defendant in the case. He shipped twenty-seven cars of cattle from Hereford, Texas, on the 15th of June, having previously secured a federal bill of health. He submitted to a reinspection by the Colorado inspector at Amarillo, Texas, under protest, but positively refused to pay the fee. The Colorado and Southern road brought the cattle into Denver and they were taken on to Wyoming without unloading in this state except to feed. An arrangement has been made whereby the Colorado Veterinary Sanitary Board was to swear out the complaint, but when Reid arrived here the board, for some unknown reason, positively declined to make the arrest. It is understood that this decision was brought about by the influence of Governor James B. Orman, Billy Wilson and F. P. Ernest, who strongly advised against the case. After several days of waiting the district attorney's office made the complaint. Reid was arrested and convicted in the criminal

court and sentenced to six months in the county jail. Messrs. Talbot, Denison and Wadley, attorneys for the National Association, then applied to Judge Moses Hallett, in the Circuit Court of the United States, for a writ of habeas corpus, which was argued on the 29th ultimo and the opinion reserved until Monday, the 1st instant. On this date the court denied the writ and remanded the prisoner back to the custody of the sheriff of Arapahoe county. The association's attorney then saved an exception to the opinion, gave notice of an appeal to the Supreme Court of the United States and asked that the prisoner be released on bail. This was ordered and bonds fixed at \$500. In making the ruling the court held that the federal statute governing inspection on inter-state shipments of live stock was not exclusive but could be supplemented by state inspection, the same as in instances where one state may quarantine human beings when attempting to enter the state from an infected state. He, however, made no reference to the right of state officials to collect fees for inspection, which point is a strong one in the contention of the association.

The result of the hearing is quite satisfactory to the committee, as it desires to get the case before the Supreme Court of the United States at the earliest possible date, and it is hoped a favorable opinion will be given which will finally dispose of this annoying question in every state of the Union. This could not have been done had any other decision been rendered.

The cost of prosecuting this case is considerable, but if the practice be ultimately abolished it will be the means of annually saving hundreds of thousands of dollars to the stockmen of the country.

The other two committees are at work drafting bills covering these matters, which, with several other measures the association desires to have introduced early in the next session of Congress, will be considered and passed upon at the first session of the next annual meeting to convene in Chicago on December 2d.

Our general counsel in Washington, Judge William M. Springer, has been quite successful in all his efforts before department officials, the latter expressing the greatest consideration for our association and a desire to do everything possible for the stockmen of the entire country. Secretary Hitchcock of the Department of Interior, while not ruling in favor of promiscuous grazing upon forest reserves, has modified the original order to such an extent that present conditions and limited grazing are satisfactory to most sections.

Complying with the request of the Association this department has assigned one of its leading experts in forestry to the western range states for the purpose of making a thorough investigation into the question of grazing stock upon forest reserves, and report as to how this shall be

carried out so as to conserve the best interests of the stockmen as well as of the government.

The Secretary was also addressed upon the subject of fencing government lands, which has created considerable trouble in the West during the present year. There being a statute against fencing government lands, the question is most difficult to handle to the satisfaction of all concerned. It is hoped, however, that there will be no further trouble and that the entire matter will rest in abeyance until after the adjournment of the next Congress, when it is believed some action will have been taken in reference to individual control of the arid lands.

Secretary James Wilson has agreed to recommend, in his next annual report to Congress, an annual classified census of live stock, with semi-annual publication of these statistics, and will ask for the necessary appropriation to carry on this work. This is most important to all stockmen, and with the support of western members no doubt the order can be secured.

The secretary has also sent a corps of botanists into the range states for the purpose of investigating poisonous plants with a view to arriving at the most feasible means of their destruction. This also was at the request of the Association made at Salt Lake City.

President Springer has just returned from Chicago, where he arranged the final details for the December meeting. The convention will be held in the Studebaker Theatre and the sessions will be so arranged that delegates may attend the meeting for one part of the day and the International Live Stock Exposition during the remainder. Secretary James Wilson, of the Department of Agriculture, and Dr. D. E. Salmon, chief of the Bureau of Animal Industry, have been invited to deliver addresses to the delegates and 1,000 students from neighboring agricultural colleges one afternoon on pathological subjects.

Mayor Carter Harrison, of Chicago, and Governor Yates will welcome the delegates on behalf of the city and state.

The transportation companies have taken up the matter of rates and there is no doubt about a one fare for the round trip being granted. It is believed that the annual meeting of this Association and the International Live Stock Exposition will attract a quarter of a million strangers to Chicago during the first week of December.

C. F. MARTIN, Secretary.

Receiver for Salt Company Wanted

Attorney-General Davies, of New York, gave a hearing Tuesday on the application of Robert S. Bradley, of Boston, for a receiver to wind up the affairs of the Bradley Salt Co., of Warsaw, which sold its plant to the National Salt Co. The application was opposed by several of the stockholders. It is made on the ground that the company has permitted its charter to lapse. The Attorney-General reserved his decision.

ESTABLISHED 1893
The Joseph Bogner Barrel Manufactory
 Buyer and Seller of empty Sugar, Flour, Cracker, Salt and Oil **BARRELS**
 Mail Orders Promptly Attended to. Barrels Bought and Sold all through the City and Country Towns. Good Stock always on hand. Write for Prices.
 Pork barrels, lard tierces, butter, butterine and lard tube, and tierces of all kinds.
 OFFICE AND WAREHOUSE,
 7 and 9 Quay Street, near Main, BUFFALO, N. Y.

Sausage Casings All kinds Imported and Cleaned
 First hands in Spices, Saltpetre, Potato Flour and Preservatives.
WELLS CASING COMPANY
 626-630 Howard Street, - Buffalo, N. Y.
 THE OLD RELIABLE CASING HOUSE

BOTT BROS. MFG. CO.,
 ALEXANDRIA, MO.

Manufacturers of all kinds of Cooperage.
Eight Hoop Cuban Tierces and 1500 pound Pickling Vats a Specialty.

Tanning Chemists

Send us samples of your spent tan and we will tell you if you are leaving valuable tannin in it.

Send us samples of your tanning extracts and we will give you prompt and accurate analysis.

Send us samples of your greases and other waste products, and we will tell you how to get the most money out of them.

Send us samples of the water you use and we will analyze and tell you its suitability for the tannery.

Tannery Chemistry a Specialty

The
National Provisioner
Laboratory.

Official Chemists to The New York Produce Exchange.

150 Nassau St., NEW YORK

Deutsch-Atlantische
Telegraphen-
Gesellschaft

German
 Atlantic
 Cable
 Co.

In connection with the Commercial Cable Co. The only Direct Cable Route to Germany and the only one in Direct Connection and Communication with the Telegraphic Lines in Germany, Holland, Belgium, Austria, Russia, etc. The cables are of the best modern construction; are duplexed and operated automatically. Cablegrams should be ordered "Via Azores-Enden" (In Europe "Via Enden-Azores.") The undermentioned Companies accept cablegrams in New York and all other Cities in the United States, Canada, etc. Messages must be filed at the offices of

Commercial Cable Company
 Postal Telegraph Company
 Canadian Pacific Railway Telegraph

"VIA AZORES-EMDEN"

THE NATIONAL PROVISIONER
 ANNUAL SUBSCRIPTION
 Only \$3.00 for 52 Weekly Issues.

The Closest Inspection

of our ice-making and refrigerating machinery will convince you that it is honestly built, and has absolutely no weak points.

In building this machinery, not only the ice-making machine itself, but also the accessory machinery, receives the most careful attention.

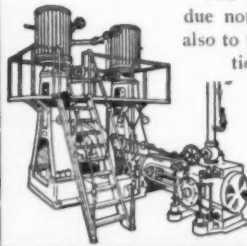
Our interest doesn't cease after we have received an order and put in our machinery.

We see to it that the machine works properly and produces the results promised.

The wonderful popularity of the YORK MACHINE is due not only to the goodness of the machine itself, but also to the perfect working of all the parts used in connection with it.

Our catalogue contains many interesting facts about our goods.

Write for it.



YORK MANUFACTURING CO.
 York, Pennsylvania.

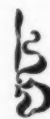


P. J. PROBECK

Manufacturer of
MODERN
REFRIGERATORS

227-229 Sheriff St.
 Cleveland, Ohio

Headquarters for Circle E. and P., Ceverlat, Salaries & Holstein



Butchers
Supplies

SUMMER SAUSAGE
 CASINGS, ETC.



The Cleveland Store Fixture Co.

Office and Salesrooms:
 302-304 Seneca Street, 206-208-210 Champlain Street.
 Factories:
 153-155-157-159 Case Avenue.
 1046-1048-1050-1052 Hamilton Street.

CLEVELAND, O.

Show Cases, Desks, Scales,

Refrigerators, Grocers' and Butchers' Fixtures and Supplies of all kinds. Butcher Coolers, Meat Racks and Blocks; Portable, Spring and Counter Scales, Counters and Marble Slabs, Cashier Desks, Tools of all kinds.



"EUREKA" Automatic
 Magnetic



SEPARATOR

For automatically and perfectly removing all metallic particles such as Nuts, Bolts, Nails, Screws, Wire Tacks, etc., from any substance ..

INEXPENSIVE AND REQUIRES NO ATTENTION IN OPERATION
 SAVES THE PRICE OF ITSELF IN A SHORT TIME



THE S. HOWES CO.

Eureka Works

Silver Creek, N. Y.

Established 1856



WESTERN TRADE ITEMS

WESTERN OFFICE OF THE NATIONAL PROVISIONER, ROOM 424 RIALTO BLDG., CHICAGO

Packinghouse Notes

The big beef storage warehouse of A. A. Jewett & Co., Philadelphia agents of Swift and Company, of Chicago, was almost destroyed by fire last week, with a loss of \$200,000.

Harry Boore, superintendent of the Continental Packing Company, who was convicted several months ago for alleged water thefts for his company from an illicit pipe connected with a city water main, practically received an acquittal Wednesday when Judge Tuley gave him a new trial. The state was not left with a leg to stand upon, figuratively speaking, and it is doubtful whether Boore will be brought to trial a second time.

The opinion, which was exhaustive, was in favor of Boore in every particular. It set forth that there was no evidence to connect Boore with the willful theft of the water or to show that he was possessed of knowledge of the pipe, which was laid by the direction of the engineer of the plant. Judge Tuley also held that the instructions asked for by the state were faulty in part.

Referring to the evidence introduced to show that the packing company paid \$6,000 to the city for extra water taken from the alleged bogus connecting pipe, Judge Tuley held that it was paid under protest and only after a threat of the city officials to shut off the supply and cripple the plant if the city's claim were not paid.

"That settles the case and the state will not dare go to trial again," said the attorney representing Boore.

General Trade Notes

Frank H. Hitchcock, chief of the foreign market section of the agricultural department, has compiled statistics showing the distribution of the agricultural exports of the United States for the years 1896-1900.

There were a dozen countries in 1900 to each of which the United States exported over \$10,000,000 worth of domestic farm

produce. The United Kingdom purchased \$408,800,000 and Germany \$134,000,000 worth.

The agricultural exports of the United Kingdom were the largest on record, excepting those of the extraordinary year 1898, when a value of \$439,000,000 was attained. The exports to Germany for 1900 were decidedly in excess of any previously reported and show an increase of nearly 100 per cent in the five years' period.

Next in order to the above named countries in 1900 were the following: The Netherlands, \$52,000,000, these figures being exceeded only in 1899 by less than \$1,000,000; France, \$45,000,000; Belgium, \$33,000,000, as against \$31,000,000 in 1896 to France and \$18,000,000 to Belgium during the same year; Italy, \$24,000,000; Canada, \$21,000,000; Japan, over \$15,000,000; Denmark, nearly \$15,000,000; Cuba, \$14,000,000, as against \$4,000,000 in 1896; Spain, \$10,500,000, as against a trifle less than \$10,000,000 in 1896; British Africa, \$10,300,000.

Railroad Notes

Extensive improvements in the telegraphic and signal systems of the Baltimore and Ohio are contemplated by the new management. Initiative to this Assistant Engineer of Signals Dreyden and Division Dispatcher Gorseth have been commissioned to make a trip over several of the large western systems with a view to reporting as to the best automatic signal plant in operation.

The position of general manager of the Wabash Road has been abolished and President Ramsey will perform the duties usually assigned a general manager.

After more than two years of continuous work the great viaduct of the Chicago Northwestern railway over the Des Moines river, near Boone, Iowa, has been finished.

While engineers say the Boone structure may not be compared with the great bridges of the world, including such as the Eads, Forth and Brooklyn, it is un-

NEW YORK & PORTO RICO STEAMSHIP COMPANY, (Under Government Mail Contract.)

Three Sailings Every Month

BETWEEN

NEW YORK and SAN JUAN, ARECIBO, MAYAGUEZ and PONCE, PORTO RICO

A monthly service has been established between NEW ORLEANS, LA., and SAN JUAN, PONCE and MAYAGUEZ, PORTO RICO. For particulars, apply to

THE NEW YORK & PORTO RICO S. S. CO.,
No. 1 BROADWAY, NEW YORK.

HEYDEN SUGAR CRYSTALS

500 Times Sweeter than Sugar

Used by some of the Largest Packers in the Country

Samples and information upon request.

A. KLIPSTEIN & CO., 122 Pearl St., New York.

Branches: Chicago, Boston, Phila., Cincinnati, Providence, Hamilton and Montreal, Canada.

CONSIGNMENTS of Fresh and Pickled Pork Cuts disposed of quickly at top prices.

Pork Loins, Tenderloins, Trimmings, Spare Ribs, Hocks, Etc.

HENRY J. SEITER, Union Stock Yards, Chicago.

doubtedly the greatest of the viaduct type ever built.

The great aerial network of steel is located between Ogden and Boone, Iowa, on the Northwestern's new line, and was built to eliminate grades and curves. By its construction the distance between Ogden and Boone has been reduced from ten to seven miles.

April 23, 1899, saw the first work started on the Boone bridge. It was opened for all classes of traffic last week.

OIL MILL TAXATION

Judge Robert Powell, sitting at Jackson, Miss., has decided that cotton oil mills in Mississippi cannot claim exemption from taxation under the existing law, which specifies the kinds of manufacturing enterprises which shall be exempt for a period of ten years.

Subscribe for the National Provisioner.

Manufacturing Sites on St. Clair River

Unequaled Rail and Water Transportation to both

Eastern and Western Markets.

LOW TAXATION.

Manufacturers contemplating a change of location will do well to correspond with us.

South Port Huron Improvement Company, Port Huron, Mich.

VIRGINIA-CAROLINA CHEMICAL CO. OPERATIONS

The Board of Directors of the Virginia, Carolina Chemical Co., it is understood, called a meeting of stockholders for Wednesday, July 17, to consider propositions of increasing the capital of the company to \$50,000,000. It will be recollected that the United Oil Co. was incorporated recently in its interest, with a capital of \$12,000,000. It is clear that the company is going very extensively with the cotton seed business. It has secured a few cotton seed mills in South Carolina in addition to those hitherto alluded to, while it has options on others. It may be the object of the company to establish new mills as well as to secure a number of those already in operation. The company is evidently determined to obtain a sufficient number of plants to furnish all of the materials needed for the make of fertilizers. The fact that the large western packers are more extensively into the fertilizing business, and that they have little tankage now to spare, indeed are buyers of it themselves, where before for years they had abundantly supplied the concerns making fertilizers with the refuse of the packing house, is probably the main reason for the current movement of the Virginia Co. in enlarging its capital and securing cotton seed mills.

It looks as if the buying of the cotton seed plants by the Virginia Co. would place it next to the leading company even in the making of the oil, with which it probably is least interested. Indeed, the belief in the trade is that as concerns the oil productions of the company in marked competition is likely to occur in their marketing and that harmony will prevail with other companies. The motive on the part of the Virginia Co. appears to be to get supplies of meal for the ammoniates in the make of fertilizers, although of course, it is recognized that the productions all around from the cotton seed offer opportunities for considerable profits and that it is thus further favored.

The thought, however, we had expressed that the Virginia Co. would probably confine its attention to the direct productions of the cotton seed and that it would not enter into associated interests, or more particularly the making of compounds and soaps, would appear from the latter developments to have been well founded, although, of course, the future may show a widening of the enterprise, especially as it is well understood that the company has an unlimited amount of money back of it.

The Virginia Co. owns phosphate mines of importance sufficient to give it the phosphates for fertilizers; the ability, therefore, to secure materials all around which follows the securing of cotton seed plants will place it not only in a very independent position, but may lead it to an even stronger combination.

LATE TRADE GLEANINGS

Local capitalists will build a \$100,000 abattoir at Winnipeg, Man., Can.

The Wm. Davies Co., Toronto, Ont., Can., is enlarging packing plant.

The Three Rivers Robe Tannery, Three Rivers, Mich., has moved into new plant.

LATE ICE NOTES

The Rock Island Creamery Co., Highland township, Winneshiek county, Ia., capital \$2,000, has been incorporated.

The capacity of the ice plant at Laurel, La., is to be doubled.

The Potter Hook Ice Co., New Baltimore, N. Y., capital \$50,000, has been incorporated.

Quebec capitalists ask a government subsidy of \$5,000, to establish a cold storage plant in Argenteuil county.

The New Orleans Cold Storage Co., New Orleans, La., has purchased a site for a plant.

The Mersey Pure Ice and Cold Storage Co., London, Eng., capital \$100,000, has been chartered.

COTTONSEED NOTES

The Itasca Cotton Seed Oil Mill, Itasca, Tex., has changed title to Itasca Cotton Oil Co., and increased capital stock from \$50,000 to \$75,000.

The Whitmire Cotton Oil Co., Whitmire, S. C., has been incorporated.

The Dawson Oil Co., Hopkinsville, Ky., capital \$15,000, has been incorporated by T. T. Hillman, T. M. Steger, J. E. Hayes, and others.

The Jefferson County Mfg. Co., Louisville, Ga., will soon commence erection of their cotton oil mill.

Work has commenced on the new mill of the Florida Cotton Oil Mill Co., Jacksonville, -a.

FRIDAY'S CLOSINGS

Provisions

Continue in sympathy with the corn market. The export business is being checked by the better figures of the week after fair buying.

Tallow

Quiet; city, hhd's, 4%, at which the contract deliveries were made.

Oleo Stearine

Still slow.

Later.—The tone is rather firmer, with a slight improvement to demand; 38 is bid for 2,000 bbl's. prime yellow, possibly to cover contracts on rejected oil, while 39 is asked. However, the improved lard market gives more encouragement.

LIVE STOCK CONDITIONS

Semi-annual reports received by the Secretary of the National Live Stock Association from all western states and territories regarding conditions of the live stock industry on the range, indicate a most prosperous year for the industry as a whole. The winter losses were lighter than for many years, but heavy spring storms in some sections caused about the usual spring losses, but the average will not reach over three per cent. Many sections report losses from predatory wild animals greater than usual, showing that this pest must soon be met in some way. Another cause of loss has been thieves, who have been unusually bold and success-

ful during the last few months, especially on the horse ranches. Reports from round-ups show an average above the usual calf crop. At the present time the only sections threatened with drouth are southern and eastern New Mexico and southern Arizona. There is still time, however, for summer rains to relieve these conditions. The northern half of Montana and western North and South Dakota suffered from a late spring and drouth, but these conditions have lately been relieved and the range feed, though late, was never better. There has been a large movement of stock cattle from the southwestern to northern ranges, approximating 150,000 head. The movement of western cattle has been very much lighter than usual, being principally from Pacific coast states to Montana and Wyoming. Many sections report the range badly crowded and early in the spring there were many clashes between sheep and cattle owners for possession of the range, but the good rains and consequent improvement of the feed on the range have temporarily relieved this condition. Prospects are considered good for a heavy movement of western range grass cattle commencing about a month earlier than usual and probably continuing late into the fall. Prices on stock cattle have been from \$1.50 to \$2.50 per head lower than last year. Strictly high grade cattle are steady with a year ago and in demand.

The sheep situation is not so satisfactory. Reports all indicate a general expectation of lower prices, due to the crowded condition of the ranges and the absolute necessity of reducing the flocks to fit the range conditions. The lamb crop has been unusually heavy, owing to the mild winter and favorable weather at lambing time.

(Continued on Page 52.)

CONTENTS

EDITORIAL—

Artificial Complexions	11
A Valuable Fertilizer	11
Discriminating Legislation	12
Date of Paper is Date of Delivery	12

GENERAL—

Borax and the Human System	13
Stocks of Provisions	14
National Live Stock Association	15
Appraisers' Decisions	19
Insurance Notes	20
Our Agricultural Exports	23
Pork Packing	23
Agricultural Exports of Argentina	24
Semi-Annual Index	25-29
Cottonseed Notes	33
Exports of Provisions	19
Western Trade Items	17
Trade Gleanings	19

TECHNICAL AND SCIENTIFIC—

Answers to Correspondents	20
Peanut Oil Cake	20
ICE AND REFRIGERATION—	
Notes	27

MARKETS—

Provisions and Lard	29
Hides and Skins	30
Tallow, Stearine, Grease and Soap	31
Cottonseed Oil	32
Kansas City Live Stock Review	33
South St. Joseph L. S. Review	33
St. Louis Live Stock Review	33
Chicago Markets	38, 39, 40
New York Markets	41, 42

RETAIL DEPARTMENT—

Editorial, News, Hints, etc.	34, 37
-----------------------------------	--------

TRADE GLEANINGS

A tannery will be built at Middleburg, Pa., says the Philadelphia Press.

The California Oak Tanning Co. will erect a plant at Redwood City, Cal.

Armour & Co. are enlarging their poultry and egg plant at Marshalltown, Iowa.

The Fisheries Company, makers of fertilizer, etc., will defer payment of dividend on preferred stock.

The fertilizer plant of the Wheeling Butchers' Association, Wheeling, W. Va., was destroyed by fire.

Porter Bros. Co., San Francisco, Cal., and L. B. Clough will build fruit packing plants at Vancouver, B. C.

The French olive growers have to reckon more and more with the competition of the olive-growers in Tunis.

The Coffin Fletcher Packing Co., Indianapolis, Ind., has purchased 45 lots with a view to increasing size of plant.

The fight against the plant of the National Glue Works, Indianapolis, Ind., said to be a nuisance, has been renewed.

Deford & Co., Baltimore, Md., have sold their tannery at Berkeley Springs, W. Va., to Pennsylvania capitalists represented by S. F. Shelley.

The Idaho Produce and Provision Co., Butte, Mont., capital \$25,000, has been incorporated by B. A. Carder, J. H. Sibley and A. S. Bray.

The L. H. Huntley Co., Boston, Mass., capital \$5,000, has been incorporated to deal in provisions by F. W. Easterbrook, L. H. Huntley, B. White and others.

It is reported that the Cudahy Packing Co. will build a plant at Richmond, Va., and make it the distributing point for Virginia, the Carolinas, Georgia, Florida and Alabama.

The Washington and Virginia Stock Yard and Abattoir Co., Washington, D. C.,

capital \$50,000, has been incorporated by W. G. Carter, C. E. Ebel, L. T. Krey, J. E. Donovan and C. C. Carlin.

The National Artificial Leather Co. has been incorporated at Trenton, N. J., with a capital of \$1,000,000 by Otto Wolf, A. L. Wiler, G. F. Falkenstein and C. Falkenstein, all of Jersey City.

(Late Trade Gleanings, page 18.)

APPRAISERS' DECISIONS

Schoellkopf, Hartford & Hanna Co.—The merchandise in question consisted of a chemical compound composed of dead or creosote oil from coal tar. It was found similar in its character and the uses to which it is applied, to the merchandise called sheep dip, which was the subject of other cases. It was found that the merchandise was dutiable at 20 per cent. ad valorem, and the collector's decision in the assessment of duty at 25 per cent. was reversed. The claim in the protest that the merchandise was exempt from duty was overruled.

J. H. Rossbach & Bros. and Am. Boot & Shoe Co.—The merchandise in this case consisted of sheepskins with the wool on. The skins were passed free of duty, but the wool on the skins was assessed for duty. There was nothing in the record tending to sustain the protests made, and the Board found the facts to be as reported by the Collector and Appraiser and held that duty was correctly assessed.

Produce Exchange Notes

Produce Exchange memberships quoted at about \$175.00.

Proposed for membership: Howard La Tourette Bennet, broker; Harry Herbert Brunt, Co-operate Society.

FOR SALE

A Packinghouse and Business

Owing to the recent death of owner, an exceptional opportunity is presented to acquire a complete, recently equipped modern and up-to-date packinghouse in a city of 60,000 inhabitants, New York State, in an excellent distributing locality. Fully equipped for slaughtering and shipping cattle, hogs, sheep and calves, with large established trade. Is fitted with lard refinery, recently installed fertilizer plant, etc. Has a daily capacity of 200 hogs, 1 carload cattle and 3 cars small stock, with 9 horses, 5 new wagons, trucks, etc. Will dispose of complete plant only, with its established trade and good will.

Address, "PACKER," Box 9, The National Provisioner.



The busiest little fellow in the world is the housefly, carrying disease germs and other filth from place to place.

Sealed Sticky
Fly Paper

TANGLEFOOT

stops him at once, and catches the germ as well as the fly.



Celebrated Diamond Brand
Lard, Hams and
Breakfast Bacon.

STREETT & CORKRAN,

PORK PACKERS, SAUSAGE MANUFACTURERS
and LARD REFINERS.

2812-2814-2816-2818 Pennsylvania Avenue,

BRANCH 126 NORTH PACA ST.

BALTIMORE, MD.

If you do not realize the importance of registering each and every one of your Trademarks, Labels and Names with us.

**SEND FOR PARTICULARS
OF OUR SYSTEM.**

We will demonstrate the fact that you are liable to heavy daily losses that we can help STOP.



The International Trade Mark Protective Company

320 BROADWAY,
NEW YORK, N. Y.

Visitors on the Exchange: Gustav Behrenat, Berlin; Erik L. Henning, Copenhagen; Carl Weinstein, Berlin; C. W. Barnes, Barbadoes; A. H. Lockhart, St. Thomas; R. Yardi, Caracas; L. R. Hurd, Duluth; Geo. Bayley, Fred Whalen, Minneapolis.

EXPORTS OF PROVISIONS

Exports of pork, bacon, hams and lard from principal Atlantic ports, their destination and a comparative summary for the week ending July 6, 1901:

	Week July 6, 1901.	Week July 7, 1900.	Nov. 1, 1900, to July 6, 1901.
PORK, BBLs.			
U. Kingdom....	702	1,272	44,094
Continent.....	126	806	19,612
S. & C. Am.....	200	147	15,436
West Indies....	960	2,111	61,300
Br. No. Amer.	110	134	5,109
Colonies.....	41	51	1,245
Other countries			
Totals.....	2,245	4,611	146,796

BACON AND HAMS, LBS.			
U. Kingdom....	11,233,170	13,454,062	486,451,846
Continent.....	1,000,468	794,091	66,905,301
S. & C. Am.....	77,750	45,550	4,253,207
West Indies....	287,075	336,350	8,633,290
Br. No. Amer.			
Colonies.....			13,600
Other countries	21,125	6,300	865,255
Totals.....	12,650,188	14,579,553	567,083,469

LARD, POUNDS.			
U. Kingdom....	4,340,791	5,825,247	213,648,072
Continent.....	3,622,024	4,055,200	183,054,475
S. & C. Amer....	257,470	193,330	15,676,540
West Indies....	438,670	765,510	18,560,942
Br. No. Amer.			
Colonies.....		5,820	80,022
Other countries	2,100	34,140	1,979,248
Totals.....	8,661,055	10,879,247	432,969,879

Recapitulation of Week's Exports.

From—	Pork, bbls.	Bacon and Hams, lbs.	Lard, lbs.
New York.....	1,068	6,454,800	3,320,880
Boston.....	484	3,470,275	2,431,688
Portland, Me....		619,400	182,000
Philadelphia....	85	1,270,350	502,750
Baltimore.....		335,775	1,141,060
Norfolk.....			
N'port News....			184,854
New Orleans....	8	159,960	206,000
Montreal.....		350,838	190,610
St. John, N. B..			
Totals.....	2,245	12,650,188	8,661,055

COMPARATIVE SUMMARY.

	Nov. 1, 1900 to July 6, 1901	Nov. 1, 1899 to July 7, 1900	Decrease
Pork pounds.....	23,359,200	33,565,000	4,205,800
Hams and bacon, pounds.....	567,083,469	559,141,911	7,941,558
Lard, pounds.....	432,969,879	456,329,703	23,359,824

TECHNICAL AND SCIENTIFIC

PEANUT OIL CAKE

In the first rank of oil cakes rich in albumen, stands the arachidic (nut oil) cake. It contains on the average:—

- 46.9 per cent. of albumen.
- 8.9 per cent. of fats.
- 20.8 per cent. of carbon hydrates.

It is very digestible. According to its coefficients of digestibility, it contains on the average:—

- 39.7 per cent. of digestible albumen.
- 7.7 per cent. of fats.
- 20.4 per cent. of carbon hydrates.

It ought to be produced from nuts not damaged. The good oil cakes are readily recognized by their clean white color. Grayish or brownish cakes are to be more or less regarded with suspicion; they may be the product of damaged nuts.

Considering its composition, this cake is usually sold at a very low price. The linseed oil cake is now quoted at 20.50 francs; that of coconut oil at 18 francs, and the arachis cake at 18.50 francs. The kilogram of digestible albumen costs 75 centimes for the first, 1.20 francs for the second, and only 49 centimes for the arachis oil cake.

But in determining the price of an aliment, account must be had of the fats and of the carbon hydrates. Authorities differ in fixing the comparative value of these, but whatever ratio is adopted, the arachidic cake furnishes the nutritive unit at the lowest figure. According to the calculation suggested in my *Manuel d'Alimentation* (2d ed. p. 55), the nutritive unit costs, at the prices mentioned above, 13.4 centimes in the cocoa-oil seed cake; 11.4 centimes in the linseed cake, and only 8.2 centimes in that of the arachides.

The arachidic oil cake, like other seed cakes and feed rich in albumen, serves especially for improving aliments poor in albumen. Such are those composed in large portion of straw, potatoes, turnips, beets and hay of inferior quality.

It is employed with great success by fatteners for market. The fattening proceeds rapidly and the meat is excellent.

Palm kernel oil cake and that from coconut oil are approved in the alimentation of milch cows but they are only moderately rich in albumen. If the food of milch cows is composed principally of good hay, an abundance of milk is procured with the aid of palm kernel or cocoa oil cake. But if the cows are fed on straw, roots, etc., the production is not satisfactory, even with the addition of two or three kilogrammes of palm kernel or coconut cake, or of bran. I have had occasion to verify this several times in our grazing region. The food is too poor in albumen. The palm kernel and the coconut must give place, partly or wholly, to a richer oil cake, such as those of the arachides, cotton seed or poppy.

Cultivators often give milch cows corn, grain, etc. It is a veritable waste. This food, less rich in albumen, yields but moderate results and often occasions loss. It cannot be too often repeated that to secure an abundant supply of good milk, the animal had need of nourishment rich in albumen.

men. Experiments have proved that the ground nut oil cake is a perfect supplement for poor food.

The following rations containing arachidic oil cake have given good results. It is recognized that it is better to compose a forage of two or three concentrated ingredients than of a single one.

1. Stalks and straw at will; 35 kilogrammes of beets, 2 kil. of arachidic oil cake, 0.5 kil. of linseed oil cake, and 1 kil. of bran.
2. Eight kil. of hay, 2 kil. of straw, 10 kil. of beets, 1.5 kil. of palm kernel oil cake, and 1 kil. of arachidic oil cake.
3. Six kil. of hay, 5 kil. of straw, 1 kil. of arachidic oil cake, 1 kil. of palm kernel oil cake, and 1 kil. of bran.
4. Ten kil. of hay, $\frac{1}{2}$ to 1 kil. of arachidic oil cake, and 1 to 2 kil. of palm kernel oil cake.—Dr. G. Smets in *L'Agronomie*.

ANSWERS TO CORRESPONDENTS

J. J. O'C. MIDDLETOWN, CONN.—(1) Linseed meal or oil meal is made from primarily flaxseed which is grown principally for the oil it contains. The oil, linseed oil finds indispensable use for making paints. In distinction from cotton seed there is no lint to remove from flaxseed. Otherwise the oil is extracted similarly to that of cotton seed. The residue from the pressing is, the "cake" is dried, broken and ground and made into linseed meal. (2) There are nowadays two processes for making linseed oil—the new process, consisting in extracting the oil with benzine and the regular pressing process. The benzine process removes more of the oil and consequently leaves less for the meal. As there is less oil in this case, the percentage of protein is higher. (3) Gluten meal and gluten feed are by-products from corn in the manufacture of glucose, starch, etc., for which the protein part of the grain is not used.

"SUBSCRIBER."—We make it, as do all reputable papers, an inflexible rule not to answer anonymous communications. If you do not desire your name to be published with the answer, indicate under what title the answer is to appear. But in any and all cases the name of the party making the inquiry must be signed to the communication.

AMERICAN BEEF LEADS

A dispatch from London says: "Englishmen are breakfasting on American bacon, lunching on American ham and dining on American beef," said J. Ogden Armour, referring to the speech of Mr. Hanbury, president of the Board of Agriculture, at the American Society's Fourth of July banquet.

Mr. Armour is making his annual inspection of his firm's British business. "Austria may imitate Germany," he continued, "in excluding Yankee meat. France may imitate Austria and Russia may imitate France, but England will never keep them company. The business of American packers with the United Kingdom is increasing by leaps and bounds. The toothsome product of the Western prairies, despite the miles it travels to their tables, is gradually but surely supplanting the roast beef of old England in the affection of British epicures. Some eat it without knowing it, many get it in the market without asking for it, most order it specially. It requires not only steady shipments of chilled meat, but the slaughter of one thousand or two thousand live cattle every week to supply our trade. None of us ever seriously contemplated the establishment of junior stockyards in His Majesty's domains, but perhaps we may be driven to it some day for properly serving the growing wants of this hungry people."

A Cattlemen's Picnic

The annual picnic of the Kingman County (Kansas) Cattlemen's Association will be held August 27, 28 and 29. The cattlemen's picnic is to Kingman what the corn carnival is to Atchison, the street fair is to Emporia and the fall festival is to Topeka. The programme this year will consist of roping contests, races, athletic exhibitions, Indian games, etc. The prizes offered aggregate \$1,500. The roping contests are open to the world. Last year people attended the picnic from all parts of southern Kansas and Oklahoma.



Pipe Threading and Cutting Machines

WORLD'S FAIR PRIZE.

The Merrill Mfg. Co.

TOLEDO, OHIO, U. S. A.

Catalogue P.

DIXON'S
Pure Flake Graphite,
THE PERFECT LUBRICANT.
Sample and Pamphlet Free.
JOSEPH DIXON CRUCIBLE COMPANY, JERSEY CITY, N. J.

INSURANCE NOTES

Adjusters of fire losses for the insurance companies have often been criticised by policyholders, and now certain kinds of adjusters are receiving the same treatment from the underwriters. The president of the New York Board of Fire Underwriters has called the attention of members to the abuses which have grown up in their adjusting departments whereby the insured are in some cases paid too much and in others too little. Coming in direct contact, as they do, with all classes and conditions of men, adjusters should be possessed of a broad-minded sense of justice, a thorough knowledge of the insurance contract, and, above all, tact. They should have a well-grounded belief that their employers are not only willing, but anxious to pay every cent which is justly due to a claimant, without quibbling on immaterial points; but they are perfectly justified, in instances where there is evidence of fraud, in taking a strong stand against allowing a claim, even though their evidence is not of a character to stand a legal test. One such man could indubitably carry through the average adjustment with less friction and expense than under the present system, and with fully as much justice to both parties. Underwriters are beginning to recognize this principle, and it may not be long before adjustments are simplified and rendered mutually more satisfactory.

Life insurance contracts of so many varieties are now offered to the public that almost any requirement in this direction can be met, or any taste suited. Policies running for life, with premiums payable annually during the whole period or for a stated number of years only; endowments, the face values of which are payable at the expiration of a given term, with premiums payable during the whole term or for a lesser number of years; "term policies," giving pure insurance with little or no other value at a low premium, for a definite time, and which are usually renewable at a higher premium for a term equal in length to the first, or may be exchanged for other and more permanent forms of policies, these are the principal divisions into which the contracts issued by "old-line" companies naturally fall. So far as a policyholder's getting his money's worth is concerned there is little to choose, as the forms of policies issued by any one company are generally based upon the same mortality table and interest and expense assumptions. Thus, if a twenty-payment life policy (one under which the insurance becomes paid up for life by twenty annual premiums) is compared with a twenty-year endowment policy (the face of which is payable to the insured if he survives and pays twenty annual premiums), the values offered can be readily demonstrated to be equitable. Should the twenty-payment life policy be accepted and the difference in premium between the two forms of policies for equal amounts be invested annually at four per cent. compound interest, little difference would be ob-

served at the end of twenty years between the cash surrender value of the twenty-payment life policy plus the sum of the invested differences and accretions, and the face of either policy. In favor of the choice of the twenty payment policy (in this illustration) would be the fact that the sums placed in bank yearly would always be at the owner's disposal; while on the other hand it may be urged that the average man would neglect to deposit the investment portion in bank, but would probably make special efforts to pay the full sums due on an endowment policy. Another view of this matter might lead a man to take nearly twice as much insurance on the limited payment form as he could purchase on the endowment plan for the same money, thus affording his family much greater protection and making but a slight sacrifice in the cash surrender value.

KANSAS CITY HOG RECEIPTS

Mason Peters, secretary of the Pork Packers' Association, has prepared an interesting table showing the receipts of hogs at the Kansas City stock yards since the first of the year. The figures include the shipments from January 1, 1901, to June 30, and show a total of 1,954,804 hogs.

These came from the states of Kansas, Missouri, Nebraska, Texas, Arkansas, Iowa, Colorado and Louisiana and Oklahoma and Indian territories. Kansas leads, having sent 1,061,763 head to market, or 54 3-10 per cent. of the total number. Missouri comes next, with 557,357 head, or 28 5-10 per cent. of the total. The other states and territories made the following showings: Oklahoma, 162,876 head; Indian Territory, 86,686; Nebraska, 59,680; Texas, 13,527; Arkansas, 8,278; Colorado, 329; Louisiana, 98.

TANNERS MEETING

A special meeting of the tanners' section of the Toronto Board of Trade has been called for Wednesday next at 2 p. m., in the council chamber. Amongst the many important questions to be considered will be that of the duty on boots and shoes. An invitation to attend the meeting has been extended to all tanners.

ADVERTISE IN

THE NATIONAL PROVISIONER...

You will get returns

A Pure Food Necessity

The New Jersey Melting and Churning Company,
(Incorporated.)
Churners of High-Grade Butterine, Domestic and Export

Unusual Export Advantages. Correspondence Solicited.

PATERSON AVENUE AND JACKSON STREET, HOBOKEN, N. J.

U. S. STAR
(DAIRY)

EXCLUSIVE BRANDS

BUTTERNUT
(CREAMERY)



Straight line track
in position.

The Rice-Beitenmiller Switch Co.,

Manufacturers and Sole Patentees of

The R. B. Interlocking Switch

1152 and 1154 Germantown Avenue, Philadelphia, Pa.

Contractors for Overhead System of Tracking for Abattoirs, Packing-houses and Refrigerators. Send for Catalogue.



Curve line track
in position.

SWIFT'S

Western Dressed Beef

Mutton, Lamb, Veal, Pork and Provisions

FOR SALE AT THE FOLLOWING BRANCH HOUSES

NEW YORK

Barclay Street Market, 105 Barclay Street
 Gansevoort Market, 22-24 Tenth Avenue
 West Washington Market, Corner West and Bloomfield Streets
 Thirteenth Street Market, 32-34 Tenth Avenue
 Manhattan Market, West 35th Street and Eleventh Avenue
 West 39th Street Market, 668-670 West 39th Street
 Westchester Avenue Market, 769-771 Westchester Avenue

East Side Slaughter House } First Avenue, between 44th
 East Side Market } and 45th Streets
 West Harlem Market, 130th Street and Twelfth Avenue
 Eleventh Avenue Market, Eleventh Avenue, bet. 34th and 35th Sts.
 Murray Hill Market, Foot East 31st Street
 Centre Market, Corner Grand and Center Streets
 West Side Slaughter House } 664-666 West 39th Street
 West Side Market }

BROOKLYN

Williamsburg Market, 100-102 North Sixth Street
 Brooklyn Market, 182-184 Ft. Greene Place
 Atlantic Avenue Market, 74-76 Atlantic Avenue
 Ft. Greene Sheep Market, 172 Ft. Greene Place

JERSEY CITY

Wayne Street Market, Corner Wayne and Grove Streets
 Ninth Street Market, 138 Ninth Street

Swift and Company

Central Office, Nos. 32-34 Tenth Avenue
 New York

LARD ADULTERANT

The state board of health of Indiana has received a sample of a powder that possesses more than ordinary interest. Itinerant vendors are going about through small towns and rural districts of the state selling this powder to farmers and dealers in lard. When some of the powder is added to lard the effect is to harden it so that it will remain firm even during the hottest weather. The only name given for the substance is "lard hardener." Dr. Hurty, the state chemist, has been at considerable trouble and expense in making

an analysis of the powder in his private laboratory. He has found that the powder contains 10 per cent. of alum and 90 per cent. of hydrate of alumina. He says these ingredients add weight and other properties that are not natural to lard. He says also that lard which contains the "hardener" will carry a larger percentage of water than usual without betraying its presence.

CATTLEMEN WANT DELAY

A delegation representing a large number of cattlemen in the Wichita country,

in Oklahoma, are at Washington to urge postponement of the opening of the Wichita Reservation until October 1, or later. They claim the cattlemen have leases on a great amount of pasture land in the Wichita country covering a period of three years, although their leases contain a provision cancelling the contracts when the Indian title is relinquished.

The cattlemen have paid up to October 1. The delegation will be given a hearing, but matters have progressed so far now that delay in opening is hardly likely.

Swift & Company

(Formerly the Jersey City Packing Company)

138-154 Ninth Street, Jersey City

Beef and Pork Packers

Lard Refiners and General Provision Dealers for Export and Local Trade

New York Office, 342 Produce Exchange

OUR AGRICULTURAL EXPORTS

Frank H. Hitchcock, chief of the foreign market section of the Agricultural Department, has compiled statistics showing the distribution of the agricultural exports of the United States for the years 1896-1900. He shows that there were a dozen countries in 1900 to each of which the United States exported over \$10,000,000 worth of domestic farm products.

The United Kingdom purchased \$408,000,000 and Germany \$134,000,000 worth. Our agricultural exports to the United Kingdom were the largest on record, except those of the extraordinary year of 1898, when a value of \$439,000,000 was attained. In our trade with Germany the exports for 1900 were decidedly in excess of any previously reported, and show an increase of nearly 100 per cent. in the five-year period.

Next in order to the above named countries in 1900 were the following: The Netherlands, \$52,000,000, these figures being exceeded only in 1899, by less than \$1,000,000; France, \$45,000,000; Belgium, \$33,000,000, as against \$31,000,000 in 1896 to France and \$18,000,000 to Belgium in the same year; Italy, \$24,000,000; Canada, \$21,000,000; Japan, over \$15,000,000; Denmark, nearly \$15,000,000; Cuba, \$14,000,000, as against \$4,000,000 in 1896; Spain, \$10,500,000, as against a trifle less than \$10,000,000 in 1896; British Africa, \$10,300,000. Exports ranging in value from \$5,515,000 down went to more than a dozen other different countries.

Our total exports of domestic farm produce to Cuba, Porto Rico, Hawaii and the Philippine Islands in 1900 had an aggregate value of over \$20,000,000, as compared with only \$6,200,000 in 1896.

South America was the only continent to which our agricultural exports for the last five years showed a decline—from \$11,236,000 in 1896 to \$9,452,000 in 1900. The most striking gain was in our exports to Asia, rising from \$5,735,000 in 1896 to nearly \$23,000,000 in 1900. The principal part of our agricultural exports in 1900 found a market in Europe, sales to European countries having an aggregate value of \$739,000,000. With the exception of the phenomenal year, 1898, when they reached \$762,000,000, these figures are the largest on record. In 1896 they were \$503,000,000. To the various North American countries the exports in 1900 were \$55,000,000; in 1899, \$58,000,000, and in 1896, \$44,000,000. The ten principal items in our export trade for 1900 were:

Breadstuffs	\$262,744,000
Cotton	242,988,978
Meat products	173,751,471
Live animals	43,585,031
Tobacco	29,422,371
Oilcake and oilcake meal	16,806,302
Vegetable oils	16,345,056
Fruits and nuts	11,642,662
Dairy products	9,226,520
Seeds	7,036,982
Others	31,067,079

Total\$844,616,530

The total in 1896 was \$574,398,264. About half of the trade in breadstuffs in 1900 went to the United Kingdom, with Germany next at \$32,029,000. Of the raw cotton \$90,260,000 worth went to the United Kingdom,

\$64,395,000 to Germany, and \$27,776,000 to France.

Of meat products \$107,621,000 worth went to the United Kingdom, and \$32,708,000 worth of live animals to the same country.

PORK PACKING

Special reports show the number of hogs packed since March 1 at undermentioned places compared with last year, as follows:

	1901	1900.
March 1 to July 3.	2,195	2,275,000
Chicago	1,270,000	1,025,000
Kansas City	820,000	815,000
Omaha	630,000	555,000
St. Louis	648,000	596,000
St. Joseph, Mo.	398,000	380,000
Indianapolis	102,000	105,000
Milwaukee, Wis.	144,000	184,000
Cudahy, Wis.	182,000	207,000
Cincinnati	186,000	206,000
Ottumwa, Iowa	157,000	158,000
Cedar Rapids, Iowa ..	262,000	280,000
Sioux City, Iowa	183,000	172,000
St. Paul, Minn.	109,000	120,000
Louisville, Ky.	136,000	165,000
Cleveland, Ohio	100,000	57,000
Wichita, Kan.	90,000	115,000
Nebraska City, Neb. ..	89,000	85,000
Detroit, Mich.	36,000	41,700
Marshalltown, Iowa ...	36,900	36,100
Bloomington, Ill.	8,025,000	7,855,000
Above and all others ..		—Price Current.

FOOD AND DRINK SUPPLY OF PARIS

Consul Haynes, of Rouen, writes as follows, under date of June 3, 1901:

The annual report concerning the food supply of Paris for 1900 contains some interesting figures. Here is the official average of what a Parisian eats and drinks in one year: Two hundred and forty-two eggs, 19.62 pounds of butter, 3.05 pounds of ready-cooked butcher's meat, 34.92 pounds of fish, 154.70 pounds of beef, 25.38 pounds of pork, and 27.83 pounds of fowl and game. This gives a daily average of two-thirds of an egg, 380 grains of butter, 57.12 grains of ready-cooked butcher's meat, 669 grains of fish, 6.81 ounces of beef, 1.11 ounces of pork, and 1.21 ounces fowl and game. The Parisian drinks in a year 1.89 gallons of alcohol, 3.07 gallons of beer, 1.48 gallons of cider, and 44.9 gallons of wine. This gives a daily average of 0.0387 pint of alcohol, 0.067 pint of beer, 0.0334 pint of cider, and 0.99 pint of wine.

GAME CASE PROSECUTION

Authorization has been given by the State Game Commission to the law firm of Black, Olcott, Gruber & Bonyng to prosecute the Arctic Freezing Company, in whose possession thousands of game birds were found out of season. Chief Game Protector J. W. Jond and Game Protector E. O. Overton had a conference with Mr. Olcott and submitted the evidence on which the action will be based.

Mr. Olcott holds that under the law the cold storage company is liable at the rate of \$25 a bird for the game found in their possession, although they may have been only the consignees, because the game actually was in their possession, and summons and complaint will be served upon them at once. The case being a preferred action, the State being a party to it, will not have to wait two years until it is reached on the calendar, but will come up in the fall.

ANOTHER KANSAS CITY PLANT

J. H. Waite, of Kansas City, in an interview at Washington recently, said: "We are expecting another English packing house to open up a big plant in Kansas City. The packing business supports fully 30,000 of our population now and it is growing all the time. We have had one English firm there for the past twenty-three years—Fowler & Son. They ship nearly all their stuff to England and to the British colonies. The new firm that is expected to locate with us will be on a still larger scale and will, it is understood, also confine its output to the English trade. The property for the location of the plant is already practically secured, but those concerned are reticent about the details."

BARRELS IN THE ARGENTINE REPUBLIC

Consul-General Guenther sends the following, dated Frankfort, June 7, 1901:

French official reports say "that since Brazil imposes a higher import duty on flour in sacks than on flour in barrels, it is now shipped by Argentine merchants exclusively in the latter packing. The Argentine Republic would therefore offer a good market for cooper's machinery." Perhaps not only such machinery, but staves, would, under the circumstances, find a ready market in that country; at least our stove manufacturers may find it to their advantage to investigate the possibilities for their goods in the Argentine Republic.

OPPOSES RESERVATION OPENING

The National Live Stock Association is strenuously opposing the hurried opening of the Kiowa and Comanche reservations in the Indian Territory for many important and vital reasons. One of the chief reasons for delaying the opening of these reservations is that there are nearly 200,000 head of immature cattle in the ranges there and these would be dumped on the market. This would be a very serious detriment to the live stock industry at the present time.

PROPOSALS

PROPOSALS FOR SUBSISTENCE SUPPLIES—Office Purchasing Commissary, U. S. Army, No. 39 Whitehall Street, New York City, N. Y., July 5, 1901.—Sealed proposals for furnishing and delivering subsistence supplies in this city for thirty days, commencing Aug. 1, 1901, will be received at this office until 11 o'clock A. M. on July 15, 1901. Information furnished on application. Envelopes containing bids should be marked "Proposals for Subsistence Supplies opened July 15, 1901," and addressed to Major D. L. BRAINARD, Commissary, U. S. A.

Sealed proposals will be received at the office of the Light House Inspector, Tompkinsville, N. Y., until 12 o'clock M., July 27, 1901, and then opened, for furnishing supplies for the Light House Establishment, for the fiscal year ending June 30, 1902, in accordance with specifications, copies of which, with blank proposals, and other information, may be obtained upon application of W. M. Folger, Captain U. S. N., Inspector.

ICE AND REFRIGERATION

A creamery is wanted at Tonkawa, Kans.

Clark's creamery at Swedona, Ill., was burned.

There is a shortage of ice at New Orleans, La.

Colling's Bros., Lutherville, Md., will erect a cold storage plant.

The creamery and ice house at Dexter, Ia., was destroyed by fire.

The Humboldt Cold Storage Co., Humboldt, Ia., has been organized.

W. E. Bell is interested in an ice plant to be erected at Hig., Springs, Fla.

An ice factory will be built at Holly Springs, Miss., by local parties.

A creamery will be built at Geneva, O., by popular subscription to stock.

The Union Cheese Factory, Mt. Pleasant, Mich., has commenced operations.

The cold storage plant of A. J. Hall, Mason, Mich., was destroyed by fire.

The creamery of Carter & Swisher, Harper, Kans., was burned; loss \$8,000.

Schlitz Brewing Co., Milwaukee, Wis., will build cold storage plant at St. Paul, Minn.

The Armour Packing Co. will erect a \$75,000 cold storage plant at Minneapolis, Minn.

A creamery will be built at Tweet, Marshall County, Minn., says the Duluth News-Tribune.

The plant of the North Star Brewing Co., St. Paul, Minn., is to be remodeled at a cost of \$200,000.

Hammond, Standish & Co. are completing a cold storage warehouse at Sault Ste. Marie, Mich.

The Geneva Co-operative Creamery Co., Geneva, O., capital \$5,000, has been incorporated by C. B. Tyler, W. A. Lott, and others.

George Elchoff, William Metz, and others, are interested in a new ice factory and cold storage plant to be erected at Augusta, Ark.

Thomas Parker, Hutchinson, Kans., is contemplating the erection of a creamery, ice factory and condensed milk factory at La Junta, Col.

The Nebraska Creamery Association, Omaha, Neb., capital \$200,000, has been incorporated by J. F. King, R. A. Stewart, G. M. Reed, and others.

The Queens Borough Dealers and Consumers Hygeia Ice Co., Ltd., Long Island City, L. I., has increased capital stock from \$25,000 to \$50,000.

The Slawson Brothers, Hillsdale, N. Y., capital \$135,000, has been incorporated to deal in dairy products, by L. Horton, E. A. Young and S. J. Slawson.

The Central Ice and Refrigerating Co., Pierre, S. D., capital \$2,000,000, has been incorporated by J. W. Avery, G. R. Allison, T. P. Estes and W. A. Seals.

AGRICULTURAL EXPORTS OF ARGENTINA

It will naturally be expected that, of the leading agricultural products exported from Argentina in the first three months of the year, a marked falling off should be shown under the heads of live cattle and sheep. Over the first three months of last year the ports of the United Kingdom were still open to animals from the River Platte, whereas since the end of April, 1900, they have been closed, and the Argentine shipments of animals on the hoof have declined very much in consequence. Thus in the first quarter of the present year they included 27,932 head of cattle and 8,322 sheep, as against 58,752 and 175,280 respectively in the first three months of last year, the declines amounting to 30,820 cattle and 166,958 sheep. Whilst, therefore, the shipments of cattle have declined more than one-half, those of sheep have diminished almost to the verge of extinction. Simultaneously there have been increases in the exports of dead meat to the extent of 3,870 tons of frozen mutton, 4,732 tons of frozen beef, and 623 tons of jerked beef. From a comparative point of view the expansion of the trade in frozen beef is the most remarkable, for whereas two years ago the quantity of beef shipped was less than one-eleventh of that of mutton, it is now nearly one-half. Moreover, the 8,271 tons of frozen beef exported in the opening quarter of the present year represent more than double the corresponding quantity last year and nearly seven times that of 1899. The expansion in the exports of jerked beef, which is shipped almost exclusively to adjacent South American coun-

tries, is probably only a temporary revival, as the trade has long been languishing. The shipments of wool, though 14,989 tons more than in the first quarter of last year, are considerably less than in 1899. The three months' exports of butter rose to a weight well over a million pounds, and exceeded by 172,062 lbs. those of the first three months of last year. The shipments of cheese, although they register an increase, are almost too trivial to be noticed. Linseed shows an increase of 98,058 tons. The current issue of "El Comercio Exterior Argentino" gives the totals only for the first quarter of 1901, but in the table below we have supplemented these with the corresponding figures of the two preceding years. Over the period embraced it is seen that cattle and sheep, this year register minimum totals, whilst frozen mutton, frozen beef, butter, cheese, and linseed register maximum totals:—

Agricultural Exports from Argentine in the First Quarters of 1899, 1900 and 1901.

	Head.	Head.	Head.
Live cattle	67,299	58,752	27,932
Live cattle	152,178	175,280	8,322
	Tons.	Tons.	Tons.
Frozen mutton ..	13,688	13,115	16,985
Frozen beef	1,219	3,539	8,271
Jerked beef	3,681	1,778	2,401
Wool	91,316	53,471	68,460
	Lb.	Lb.	Lb.
Butter	725,525	961,521	1,133,583
Cheese	1,430	990	1,461
	Tons.	Tons.	Tons.
Linseed	90,905	148,411	246,469

NEW YORK WOOL SITUATION

Prices on low and medium grades of pulled wool in New York show no encouraging tendency. On the contrary they seem on the decline. This, despite the fact there are less than 5,000 bags on hand in the city and with no prospect of replenishment in the near future. Consumers seem to be well stocked and even the small amount on hand does not effect the market favorably.

Conron's Brooklyn Plant

The mechanics are gradually finishing their work on the fine new cold storage plant of Conron Bros., at 189-191 Fort Greene Place, Brooklyn, and a large part of it is now open for business and for inspection. Brooklyn butchers should visit this plant, as it will greatly facilitate their future business.



P. & B. PAPERS

Air-Tight, Water-Proof, Acid-and-Brine Proof. Very Durable. Endorsed by Experts. Tasteless, Odorless. Only the Best Materials in their make-up. Have stood the test of seventeen years' use.

THE STANDARD PAINT COMPANY

100 WILLIAM STREET, NEW YORK

Chicago Office: 189 Fifth Avenue

THE STANDARD PAINT COMPANY

100 WILLIAM ST. NEW YORK

TAXATION SUITS DISMISSED

Frank Holcomb, clerk of Wyandotte county, Kansas, received a letter from his attorney, John Atwood, at Leavenworth, notifying him that the suits brought by corporations to restrain him from proceeding with an inquiry as to property escaping taxation, had been dismissed in the federal court of appeals. The parties to the suits were the Armour Packing Company, Consolidated Kansas City Smelting and Refining Company, Swift and Company, Metropolitan Street Railway Company and Schwarzschild & Sulzberger Packing Company. The suits were filed about one year ago, and then appealed. They referred to the personal property taxation of last year. Mr. Holcomb will at once proceed to charge the corporations with the property.

To Inspect Dairy Products

Secretary Wilson has decided to establish in the customs districts of Boston, New York, Chicago and San Francisco a system of inspection of dairy products for export.

It is stated at the Agricultural Department to be "probable that at an early date the owners or shippers of products for export may, upon application, have the same marked and certified as to purity and quality, provided they are above a minimum grade, yet to be fixed."

May Build Gateway

There is now no legal obstacle to prevent the Chicago Union Stockyard and Transit Company from building the ornamental gateway at the Exchange avenue entrance to the stockyards. Last year Charles E. Grosse, the proprietor of a clothing store, at 4162 South Halsted street, secured an injunction restraining the stockyards company from erecting the gateway. Judge Stein dismissed the proceedings recently.

SALT TALK

As there appears to be some doubt whether the English combination of salt manufacturers, completed June 28, can be maintained, the officials of the English Salt Union are now said to be considering the practicability of an arrangement with the American Salt Trust. They talk of sending an official to the United States to see what is feasible.

Big Loss to Cattlemen

Bert Barnett, one of the heaviest cattle owners having cattle in the Indian country to be opened to settlement, says the order of Secretary Hitchcock demanding the immediate removal of stock from the territory will entail a loss of over \$1,000,000 to cattlemen now there.

BAD MINNESOTA STORM

A recent hail storm in Minnesota took a strip three miles wide from Danube to Buffalo Lake through Troy, Kingman, Bird Island, Osceola and Brookfield townships. All kinds of grain were totally destroyed. Cattle were badly cut and bruised.

THE MARKET REVIEWS

PROVISIONS AND LARD

All articles under this head are quoted by the bbl., except lard, which is quoted by the cwt., in tcs., pork and beef by the bbl., or tierce, and hogs by the cwt.

Weekly Review

Sharp Rise in Prices—Improved Export Demands—Rising Corn Prices Through Weather Conditions and Statistical Situation Affecting Hog Products

From an easy drift of prices for the hog products early in the week much more excitement has come about with sharp reactions to a higher basis. There had been a good deal of September stuff, particularly of lard; now there are buyers all around and because of the sensitive corn market. The packers picked up the cheap stuff promptly. From a statistical standpoint alone the hog products ought to do better. There were some considerations against the upward movement until corn started it. In the first place the packers have been anxious to sell productions as close as possible, or at least to keep up lively demands for them.

It had been found only recently that pure lard was having less attention by reason, perhaps, of the stimulated prices for it; at any rate that there was no question but demands were drifting from it to the compounds, in which latter a remarkably large business was done, not only to the home distributors, but to a free extent for the foreign markets. There was brought out the fact that through last month the supply of pure lard had accumulated at the West to a little larger volume than had been expected, however very moderate by comparison with ordinary seasons the holdings were. Moreover, the statement of the world's visible supply of lard implied that the foreign consumers were resorting a little more to substitutes; thus, Liverpool and Manchester had gained in stock through June 5,000 tcs., Hamburg 10,000 tcs. and Baltic ports 2,500 tcs., with the gain in Europe, altogether 19,000 tcs.; of course, the consignments had been large from this country, while there is now only 48,000 tcs. afloat for Europe against 66,000 tcs. in the previous month. But the entire visible supply on July 1 was greater by a little over 29,000 tcs. than on June 1. A good feature, however, early this week had been a recovery of demand for pure lard, as the market here was sagged sufficiently to meet some continental orders; indeed, it may be said that there has been more direct demand from Germany for pure lard within a few days than in some time. The compound business has been quieter this week; this may mean that after large buying by the distributors there is the natural lull in them, but that they are likely to waken into activity at any time; besides perhaps as a temporary restraining influence over trading in the compounds has been an advance of $\frac{1}{4}$ for them. Most of the pure lard bought on export account this week has been for August shipment. Unquestionably the improved export demand for pure lard brought the market around in mid-week to a decidedly healthier basis in conjunction with the grain excitement, where for two or three days previously it had been drifting easier. Our belief is that pure

lard is needed at around current prices, and that demands might follow it promptly to a higher basis, and that lulls are likely to be of a temporary order; moreover, that the compounds should have a brisk business without more than occasionally distributing a good movement in the pure lard. It has been noted as well that the foreign demands for meats have somewhat recovered. Both lard and meats have a very good home distribution, but it cannot be said that pork has lively interest from any direction, although possibly it is relatively cheap.

A point that must be considered in connection with hog products is the possibilities of the corn crop. The grain has had a feverish position this week, through which its prices, as has been noted, have drifted materially higher and because of the protracted dry weather; of course, it is easy to work the corn markets to a higher range in the speculation, yet at the same time in the event of rains they would be very sensitive to reactions. It is natural to suppose that some portion of the hog supplies hurried forward to marketable centres latterly has been due to the drouth and the higher prices for the corn, while the fact that the hog supplies have been rather liberal has tended to make packers indifferent over a full development of strength for the hog products. It has been found difficult to widen the difference in the prices of the hogs and the products. While the disposition has been to hold the latter down at times to take in the hogs, yet it has been shown that the anxiety of the packers to get the hogs, in competition, that they have held up despite all efforts against them.

We cannot look upon the provision market as a whole in any other way than as likely to develop better figures; with a permanently stronger course of the markets will come, in our opinion, freer demands.

The speculation has been broadening, and is now especially good in the September option.

In New York, the exporters have been figuring in a moderate way over pork; they have bought refined lard a little more freely. The steam lard here is rather under neglect by shippers, but it is taken more freely by the refiners. The city cutters have held prices of bellies firmly because of the cost of hogs; their stocks are moderate; demands are of a reserved order; a good demand prevails for hams. Indeed, all meats are firmer in price.

Sales in New York for week, to present writing: 500 bbls. mess pork, \$15.25@ \$16.50; 350 bbls. short clear do, \$16.00@ \$17.75; 250 bbls. city family do, in lots, \$16.50; 500 tcs. western steam lard, on pt.; quoted, \$8.90; 650 tcs. city do, \$8.25@ \$8.50 (compound lard 6 $\frac{1}{2}$ @7c.); 20,000 lbs. pickled bellies, 12 lbs. aver., 9 $\frac{1}{4}$ @10c., chiefly 10c.; 10,000 lbs. do, 14 lbs. ave., 9 $\frac{1}{4}$ c.; 5,000 lbs. do, 10 lbs. ave., 10 $\frac{1}{2}$ c.; pickled shoulders, 7 $\frac{1}{2}$ c.; 3,800 pickled hams, 11c.; 2,800 green hams, 10 $\frac{1}{4}$ c.; 4,500 green bellies, 10 $\frac{1}{4}$ @10 $\frac{1}{2}$ c.

BEEF.—Still favors sellers; fair demands because of comparatively high prices of pork; city extra India mess, tcs., \$16.00@ \$16.50; barreled, mess, \$9.50; family, \$12.00; packet, \$10.50.

Exports from the Atlantic ports last week: 2,245 bbls. pork; 8,661,955 pounds lard; 12,650,188 pounds meats; corresponding week last year: 4,611 bbls. pork; 10,879,247 pounds lard; 14,579,553 pounds meats.

HIDES AND SKINS

CHICAGO

PACKER HIDES.—The packers are now fairly closely sold up on all lines and in consequence of this, assortments are naturally small, which fact militates against selection and sales. This fact does not, however, prevent packers from exerting every possible effort to move present holdings. While the limited selection naturally makes business quiet, there is still a considerable quantity of hides moving.

No. 1 Native steers, 60 lb. and up, free of brands have moved to the number of about 15,000 at 13. There are very few old hides offering, some of the packers not having any at all.

No. 1 Butt Branded Steers.—About 2,000 moved at 12, the sale having practically cleaned up the offerings.

Colorado Steers.—60 lbs. and up were well cleaned up by a recent sale of 6,000 at 11½.

No. 1 Texas Steers.—Have sold separately as high as 13½, and as they are very scarce the price is likely to be maintained.

No. 1 Native Cows.—55 lbs. and up have sold in limited volume at 11, while lights offer at a variety of prices.

Branded Cows.—About 6,500 moved at from 10¼ to 10½. The supply is small.

Native Bulls.—Have moved in small quality at 10.

Country Hides.—The market is in a decidedly unsettled state. It is claimed that dealers have paid long prices in the country and consequently will have to get corresponding figures while buyers on the other hand claim that the tendency is easier. This difference of opinion as to what constitutes value naturally militates against business. We quote:

No. 1 Buffs, 40 to 60 lbs., free of brands and grubs, have sold in the two selections at 8½ and 9½. While buyers think top has been reached dealers think that higher prices are in sight, which different views naturally create a waiting market. We quote:

No. 1 Extremes, 25 to 40 lbs., free of brands and grubs, have moved at 8¼@

9¼ for the two selections. Long haired stock brings less money.

Branded Steers and Cows.—Have been a fairly active factor at 8½@8¾ flat.

Heavy Cows.—60 lbs. and up, free of brands and grubs, are very scarce, and receipts are being applied on previous contracts. They run from 9¾@10.

Native Bulls.—Are scarce and range from 8½@8¾ flat.

Calfskins.—8 to 15 lbs., run from 11¼ to 11½. They are hardly an active factor, partially because of stiff competition at outside points.

No. 1 Kips.—15 to 25 lbs., range in short haired stock from 9 to 10. There is some movement.

Deacons.—Run steady at from 60 to 82½, according to weight, quality and selection.

Skunks.—30.

Horse-hides.—Have fallen off and would not command above \$3.25.

Sheepskins.—The packer market is well sold up though the country contemporary is dull. We quote:

Packer Pelts.—\$1.05@1.15.

Packer Lambs.—55.

Packer Shearlings.—40.

Country Shearlings.—85@1.00.

BOSTON

Good Western buffs are in good request at 9¼. A good business has been done and is in progress. The views of holders are getting stronger and it would not be surprising to note an early advance. The demand for New Englands at 9 is more than adequate to the supply. Tanners are buying reluctantly at the prices, but have no alternative.

PHILADELPHIA

Business has been quiet in consequence of the heat and the holiday. While the request has lessened prices continue well sustained. We quote:

City steers.

City cows.

Country steers, 10½.

Country cows, 9.

Bulls, 8½@9.

Calfskins, dull.

Sheepskins, dull.

NEW YORK

Free Hides.—The market continues very firm. Recent sales have tended to somewhat deplete selections, which retards traffic somewhat. Several thousand natives moved at from 12¾ to 13. We quote: No. 1 native steers, 60 lbs. and up, 12¾@13.

Butt branded steers, 11½.

Side branded steers, 11½.

City cows, 10@10½.

Native bulls, 10.

Calfskins.

Horse-hides, \$2.00@3.25.

SUMMARY

The Chicago packer situation while firmly sustained as to price cannot be called active, largely because of depleted selection, branded stock being conspicuously scarce. Despite this, however, packers are very closely sold and are showing a strong disposition to avert accumulation. The country situation is peculiar inasmuch as while it is probably true that dealers have paid a stiff price in the country for their present holdings, buyers claim that values are easier. It is not improbable that this latter claim will be verified if upper leather tanners persist in their intention to curtail their production. The Boston market is strong on buffs and it is by no means difficult to move the first selection at 9¼. A good business has been done on this basis in connection with seconds at the consistent price. The supply of New Englands at 9 is inadequate to the demand.

The Philadelphia centre has been quiet in consequence of the heat and the holiday, despite which, values have been well sustained. The New York market is also fairly well cleaned with values particularly strong.

HIDELETS

Mr. Hallenstein, of the tanning firm of Michaelis, Hallenstein, of Melbourne, Australia, is making a tour of American tanneries.

Mr. Rantenberg, senior of the London hide house of Rantenberg & Co., has been visiting the New York market.

A. G. Speire of the hide firm of A. G. Speire & Son, Philadelphia, recently deceased.

J. J. Norman

Brown Gas Engine Co.

R. J. Norman

Norman Bros., Western Agents

49 W. Lake St., Chicago, Ill.

Gas and Gasoline Engines

NEW AND SECOND-HAND GAS ENGINES FROM 1 TO 60 HORSE POWER

THE HATCH MEAT CURING MACHINE

Invaluable to Packers, Butchers and Meat Preservers Generally

It effectually prevents making sour or unsound meats. A large saving in curing materials is realized, the minimum quantity required for seasoning being all that is necessary for preserving. Reduces the time of curing one-third to one-half. It will accomplish TEN-FOLD more than any other device extant for a similar purpose. If 10 to 50 hogs a day be cut, it will save its cost every week it is used. It is simple, mechanical, substantial, durable. Send to us for our book telling all about it.

WOLF, SAYER & HELLER, Sole Agents

New York, 120 Pearl Street

Chicago, Fulton and Peoria Streets

GULF BAG CO., Limited, New Orleans, La.

Filter Cloths, Filter Bags, and Bags for Cottonseed Products, etc.

PRICES CHEERFULLY QUOTED ON APPLICATION.

TALLOW, STEARINE, GREASE AND SOAP

Weekly Review

TALLOW.—While a sale of 50 hhds., city, was made on Tuesday at 4½¢, and which was at 1-16 decline on the price that prevailed in the previous week, we consider the undertone good, and notwithstanding some reports that there is a slacker look of affairs over the country. It strikes us that quieter conditions of demand have no other significance than that they are so in a compulsory way, because of well sold up stocks, that buyers having filled in on wants and knowing that material accumulations are not to be had, keep quiet. Of course, with that situation of affairs an occasional lot is put out for sale, finding the indifference over buying, has a shaded price. It is clear that there is a large consumption of tallow over this country, of an exceptional order of nice grades because of the late large demand for the compounds, and it appears that whenever a material holding of it is made over the West that it is quickly taken up. Then, again, it must be recollected that England has taken considerable tallow from Eastern markets latterly, and that it is within 1-16 of asking prices on other important quantities. The Australian shipments to England are reported as likely to be small, and it is expected that England will continue buying interest here. Of course, tallow turned, but in the hot weather of July and August is not usually considered as desirable as that made at an earlier period, and the fact that shippers buy it shows, in some degree, their urgency. It is known that the demands from some continental sources have enlarged upon English markets latterly, notwithstanding absence of interest from them upon our markets. It, however, is about as broad as it's long, since England with its more moderate receipts from Australia and other foreign sources seeks resupplies in this country to meet any increased demands.

The melters in New York are not as a whole willing to sell at 4½¢ for city in hhds., the basis of the latest sale; they have only their make, each week to offer, as the supply is absorbed right along despite the seeming quiet demand. They are willing to take 5½¢ for tierces, which are not plenty.

The local soap makers are compelled to buy right along; they have been very conservative for some time, and are probably holding more moderate accumulations than usual. The soap business of the country is not especially brisk, but it is somewhat improved over its moderate showing of a few weeks' since. The coun-

try make is arriving in moderate volume, and it does not accumulate materially; the prices made show steadiness. Sales for the week of 325,000 pounds, in lots, at 4½¢ to 5½¢, as to quality, chiefly with 5½¢, as outside for prime city edible is hardly saleable over 6¢, although to 6½¢. In instances asked; the exporters are doing little, but there is a fair home consumption. The West latterly has sold equal to about 3,000 tierces; a good deal of it was in tanks; the city renderers there in tierces is held at 5½¢, and the prime packers at 5½¢. The London sale on Wednesday showed unchanged prices, with 1,800 casks offered and three-quarters of it sold.

LARD STEARINE.—The lard refiners have been in the market this week; they found prices stronger; 250 tcs. were sold on private terms; choice has 10 bid and 10½ asked.

OLEO STEARINE.—The unsettled lard market this week made buyers of stearine quieter, particularly as the business in the compounds has fallen off after the activity in them for several weeks. The pressers, therefore, are less disposed to ask an outside price. There have been sellers at 9½ in New York; the compound makers feel more like tiding along on their held stocks than to seek the open market for supplies. Perhaps the slight modification of views of pressers is due in part to the steady offerings of foreign, attempts to sell which this week on the basis of the sales of the previous week have been unsuccessful. The Western markets keep as a pegged price 9½, but they are also very quiet; sale of 60 tcs. at 9½.

GREASE.—This market does not lose tone. It is quite firmly held, although quieter without much demand from ship-

pers. It costs relatively more money to lay the goods down from the West; the receipts therefore are light, while more or less demand here draws upon accumulations. Sales of 110,000 lbs. "A" white, 5½¢@5½¢; 75,000 lbs. "B" white, 4½¢@5; 67,000 lbs. yellow, 4½¢; 180,000 lbs. bone and house, 4½¢@4½¢, chiefly 4½¢.

GREASE STEARINE.—Shippers are buying a little; the stocks are moderate and prices have firm support. White, 5½¢@5½¢; yellow, 5.

CORN OIL.—Business is confined to small lots. The accumulations are essentially in second hands. The market prices are fairly well supported. Quotations about \$5.70 to \$6.00 for large and small lots.

LARD OIL.—Trading is very dull. The erratic pure lard market made buyers of the oil very cautious. The consumption is fair, but it is diverted, of course, to held stocks, which are understood to be of fair volume in the hands of the largest Eastern and other manufacturers. Quotations, 68¢@69.

Later.—On Thursday the market in New York continued quiet. Refusals were out on 150 hhds. city at 4½¢. The weekly contract deliveries will go in at 4½¢. City in tierces is offered at 5½¢ and 5½¢ bid.

STEER ON EXHIBITION

Conron Bros., the poultry and game dealers, have consented to permit the exhibition of the fine prime, hand finished steer which will be slaughtered at the butchers' outing. The animal will be on exhibition next week at Conron's new plant, 189-191 Fort Greene Place, Brooklyn.

EXPORTS SHOWN BY STEAMERS

Following were the exports from New York to Europe for the week ending July 6, 1901, of commodities as shown by Lunham & Moore's statement:

Steam-Des- cr- tation.	Oil- Cake.	Cheese.	Bacon.	Butter.	Beef Tcs. and Bbls.	Pork.	Lard Tcs. and Pkgs.
Tauric, Liverpool.....	953	...	...	...	...	...	241 3,415
Germanic, Liverpool.....	1,615	2,351	...	...	...	...	...
Bohemian, Liverpool.....	1,200	2,500	...	400	100	...	250 3,500
Etruria, Liverpool.....	1,180	342	...	...	...	...	...
Marquette, London.....	1,600	150	251	...	...	...	180
Jersey City, Bristol.....	...	...	244	...	...	...	850
Buffalo, Hull.....	653	722	1,657	...	25	25	1,390 4,162
Astoria, Glasgow.....	...	1,400	889	...	...	...	200
State of Nebraska, Glasgow.....	...	152	403	...	61	50	10 100
Pennsylvania, Hamburg.....	750	...	5	100	...	110	65 150 1,700
Amsterdam, Rotterdam.....	750	...	110	...	...	150	740 2,526
Kensington, Antwerp.....	5,008	...	836	...	...	...	125
British, Queen, Antwerp.....	4,125	...	155	...	...	50	220 700
Massapequa, Havre.....	2,043	...	...	...	...	...	650 60
Patria, Marseilles.....	500	...	25	...	...	...	25
Panama, Bordeaux.....	...	...	...	...	...	...	100 1,550
Xenia, Baltic.....	...	...	75	...	...	20	53 355 2,475
Werra, Mediterranean.....	...	...	25	...	...	...	...
Pontiac, Mediterranean.....	...	...	...	...	...	50	...
Total.....	15,509	6,390	10,831	100	461	505	143 4,331 21,415
Last week.....	24,489	9,796	2,243	10,523	827	545	93 5,301 33,862
Same time in 1900.....	7,379	19,981	9,907	2,060	586	400	206 4,070 36,738

Last year's 267 hhds. tallow. Tauric to Liverpool, 150 hhds. tallow. Bohemian to Liverpool, 200 hhds. and 1,000 tcs. tallow. Cheese receipts from May 1, 1901 to July 3, 1901, 318,212 boxes. Cheese receipts same period last year, 373,200 boxes. Total of actual shipments, May 1, 1901, to June 29, 1901, 107,496 boxes; total of actual shipments, same time last year, 108,894 boxes.

WELCH, HOLME & CLARK CO.

383 WEST STREET,

NEW YORK

TALLOW SOAP MATERIALS GREASE

..... CHEMICALS

CAUSTIC SODA
BORAX

COCOA NUT OIL
PALM OIL

PURE ALKALI
SAL SODA

COTTONSEED OIL
OLIVE OIL FOODS

CORRESPONDENCE SOLICITED.

COTTONSEED OIL

THE NATIONAL PROVISIONER is an official organ of the Interstate Cottonseed Crushers' Association, and the official organ of the Oil Mills' Superintendents' Associations of the United States

Quotations by the gallon, in barrels, in New York, except for crude in bulk, tank, cars, which are the prices at the mills.

Weekly Review

Active Consumption of Compound Makers
—Little Demand on Open Market—Export Sources Still Under Our Market Prices—No Change in Prices—Undertone Confident

So far as concerns the amount of business upon the New York market it is of an insignificant order. Indeed, the trade here is going through the lull of demands usual in July. By the beginning of August, if not a little before then, there should be revival of buying interest. The fact that there is little trading at present does not mean that there is abatement of consumption. It is safe to say that for about six weeks the consumption of cotton oil over the West for the make of compounds has been unprecedented in volume. We had noted the turning of demands from pure lard to the compounds as a feature that could have been expected, in consideration of the relatively high prices of the pure lard.

Previous to this week for about a fortnight, there were simply enormous sales of compounds and coupled with the good activity in them for several weeks before the distributors of these compounds are now temporarily supplied; therefore, this week there is naturally some falling off of interest in them. A point about this trading in compounds has been the wider export interest; through shipments from the West to the other side have been larger than ever before for a corresponding time. Then, again, over the West and through the Eastern channels of distribution the distributors have found the consumers working up to the position of unusually low prices of the compounds. It is possible that a small advance, or of an $\frac{1}{4}$ for the compounds this week has had something to do with temporarily diminished activity in them, in conjunction with some indifference from the fact that many distributors had made accumulations of

the compounds by their recent active buying. Then, again, because of the advance for the compounds this week some distributors are figuring around trying to get hold of "resales," and there is just now that much loss of trade from first hand sources. The tendency of consumers of lard to take the compounds is of marked importance in connection with cotton oil at this season of the year, because of the slow movements in the oil on export account. While it is true that the compound makers are not as yet, as a whole, forced into the market to resupply with the oil, yet it is clear that their supplies are falling off in greater degree than they had expected, and that the probabilities are that many of them will be compelled to buy the oil at an earlier period than looked for. Indeed, some of these compound makers have been figuring latterly over holdings of the oil in first hands, feeling that cotton oil is not likely to be lower in price, while in the event of the business in compounds keeping up that there will be urgency over getting the oil to sending the prices for it materially higher. Indeed, calculations are made of better prices for cotton oil next month, if not before then, and essentially because of the wants of our home consumers, and as well in consideration of the moderate stocks of the oil in first hands. This feeling works independent of possibilities concerning export requirements of this oil. If material export inquiry should come along, of course, a still greater advantage would be had by sellers. Our own views concerning developments of export trading are as follows: that England is likely to be a buyer of cotton oil some time this or early next month; that it is now getting very little Egyptian seed, and that it will require more or less of the oil from this country to piece out for its regular demands, and that Marseilles, when it finds England buying here, will be a little anxious itself for supplies upon our markets. It is well known that Marseilles is carrying much less soap material than usual at this time of year, that it really needs resupplies, but like all foreign markets is inclined to be conservative, while deferring important buying until the last moment in hopes of something turning up to modify what it considers extreme views over prices. Beyond this probable England and Marseilles demand, we are not expecting much from foreign sources in the way of calls for supplies here, this side of new crop deliveries. It looks, however, as though apart from a material export demand that the sup-

plies of cotton oil would be exhausted in this country before the new crop appeared. It is quite certain that the dullness in trading upon the open market, which has prevailed for two or three weeks, does not shake holders' views over prices. Indeed, it is quite difficult to buy round lots at what is generally considered market prices, and holders of nice bleaching grades are particularly confident over their value. The only indication of desire to sell has been shown on some small lots on the dock, which had been cleaned up by the mills and sent forward to sell at once at the best prices obtainable; these have been offered at 38 on the dock, for a prime yellow grade and 300 bbls. sold at that.

That price would be paid for large lots, and at least 39c. is asked. The European markets on important lots are from 1c. to 2c. under the asking prices here, yet they give some orders for small lots within $\frac{1}{2}$ c. of our market prices. There are bids from shippers of 36c. for good off grade yellow. The linseed oil position in Europe is strong, but it is hardly working with the excitement in this country. Liverpool, at this writing, quotes linseed oil 34s. 3d., and London, 32s. Of course, it is possible that the linseed oil markets on the other side may exert before long more marked influence upon cotton oil, to bring orders for off grades of the latter from continent sources, as many of these continent points of consumption will have oils at any price in preference to tallow and grease, being accustomed to them. While tallow has been sold at a little easier price this week in New York, because of temporary dullness of trading, we regard the undertone of the tallow markets, as well as those for grease, over the country, as very good, and that their positions are likely to do better in the near future. It is a fact that tallow for some time has been closely brought up to its productions, that the consumption of it is large, steadily for the make of soap and other manufactured goods, that edible grades of it and other prime stock are urgently wanted, and that when the market sags only a little that the English shippers become buyers; therefore, that the tones of tallow and greases are not likely to bear by sentiment against cotton oil. Of course, tallow is cheaper in its relation with cotton oil than usual; this, however, has no significance in connection with cotton oil at this time of the year, and the character of the demands prevailing, notwithstanding it is the habit to speak of respective values for products.

KENTUCKY REFINING CO. LOUISVILLE, KY., U.S.A.

Manufacturers
and Refiners of
all Grades of

COTTONSEED OIL

Summer Yellow and WHITE "Miners'" Oil.

CAKE, MEAL, LINTERS, ASHES, HULLS.

Crude C. S. Oil "Red Star" Soap, Soap Stock.

SPECIALTIES:

"DELMONICO" COOKING OIL.

"ECLIPSE" BUTTER OIL.

"SNOWFLAKE" PRIME SUMMER WHITE.

"NONPAREIL" SALAD OIL.

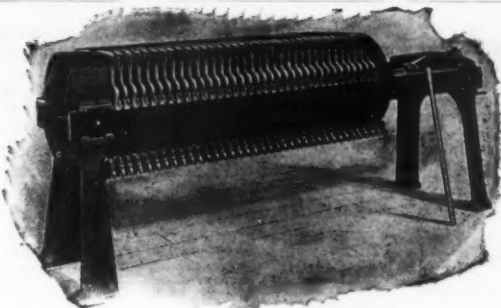
"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS.

KENTUCKY REFINING CO.,

2017 to 2033 Shelby Street,

LOUISVILLE, KY.

Cable Address, "REFINERY," LOUISVILLE.



THE "JOHNSON" FILTER PRESS.

THE "JOHNSON" FILTER PRESS

For Perfect Filtration of Liquids,

For Use in Cotton Seed Oil, Linseed Oil, Abattoir, Soap Works, and Every Use where Rapid and Perfect Results are Essential.

JOHN JOHNSON & CO.,

WORKS, GARWOOD, N. J.

95 and 97 Liberty St.,

New York City.

J. J. CAFFREY, Pres.
Formerly Sec. Ky. Refining Co.

CHAS. P. FINK,
Sec. & Treas.

LOUISVILLE COTTON OIL CO.

REFINERS OF

"Louisville" Butter Oil.

"Progress" Butter and
Cooking Oil

"Royal" Prime Summer Yellow
(Export Brand)

"Ideal" Prime Summer White
for Compound Lard.

Summer White and Yellow
Miners and Soap Makers' Oils.

"Louisville Star"

Fulling and Scouring Soap.

OFFICE AND REFINERY

FLOYD AND K STREETS
LOUISVILLE, KY.

Cable Address, "Cotton Oil," Louisville.

CHICAGO AGENCY:

H. M. ALEXANDER,

525 Rialto Building,

Tel. Main 2934, Bell Local and Long Distance.

COTTON SEED OIL MILLS

complete, various sizes, from the small mill to run in connection with a ginnery of 5-ton capacity to the largest mills, including the latest modern improvements in machinery, and producing the very best results. Also

Hydraulic Presses and Pressure Pumps

THE CARDWELL MACHINE CO.

RICHMOND, VA.

Cotton Seed Oil Machinery THE LATEST AND MOST IMPROVED

Manufactured by the

Columbus Machinery Co., Columbus, Miss.

WRITE FOR PRICES

SECOND-HAND COTTONSEED OIL MILL MACHINERY

PRESSES, HEATERS, ROLLS, Etc.

Address, "American," Monadnock Building, Chicago

There is further desire on the part of the foreigners to figure over the new crop oil deliveries, and even the Western people would pick up contracts when offered on the basis of a few late sales; but as we have before remarked, not many mills care as yet to consider demands for next fall deliveries, as a good deal could happen to the cotton crop, while they would hardly succeed at this early period in protecting themselves in buying seed; therefore that they would be compelled to take speculative chances. The trading basis for the fall deliveries had been 25c. for crude in tanks, as had been noted. The winter yellow grade in New York, on the

spot, is held at 44c., and white at 43@44c.

The consolidation of mills steadily going on in the interest of the Virginia-Carolina Chemical Co. is not checking business in the oil.

When a sufficient number of plants have been obtained for the purpose of getting fertilizer stock, it is believed the consolidating will stop. In other words, that there is no intention to control the cotton-oil interest, but simply that the largest fertilizing company of the south is getting sources of supply of material to make it independent of allied commodities which had for a long time been furnished by the western packers.

The American Cotton Oil Co.

MANUFACTURERS AND REFINERS

COTTONSEED PRODUCTS

OIL, CAKE, MEAL, LINTERS, ASHES, HULLS

The American Cotton Oil Company

Cable Address: AMCOTOIL, New York

27 BEAVER ST., NEW YORK



RETAIL DEPARTMENT

A SUIT IN BANKRUPTCY

The Cleveland Provision Company has raised some points in the new bankruptcy law. One of this company's customers sold his place and had the notes made payable to a friend, thus eliminating the customer from the transaction. The company made some indefinite charges about a punishable offense. The court asked the plaintiff to be specific about the alleged punishable offense. What the business public is interested in is the forthcoming decision of the court which will validate or invalidate such a sale and such notes. You may feel that the whole transaction is a fraud, but you must know it and prove it or your belief is of no avail. If the notes are void the procedure is plain.

MUST EXHIBIT THEIR HIDES

The new Nebraska meat law makes the slaughterer to, after July 1, exhibit the hide of the steer when required to do so by the shop butchers before the carcass is paid for. This is now a market man's inalienable right. This new law does not say how a packer can exhibit four hides for each steer—one for each quarter—if the butcher should demand the hide of each purchaser.

AN ICE STORY

Ice is a summer topic. It warms up a bit when the price of it is sometimes mentioned. A Chicago mechanic says that he can make solid blocks of ice at 10c. per 2,000 lbs., and eight times as quick as is now taken for the 60c. per 100 lbs. article. Well, why don't he do it and let us have the ice at \$1 a ton and say no more about it? While this liberator is raising our hopes another Chicago man, who got mad at having his 100 lb. ice block melt to 50 lbs., worked out a scheme to get full weight from the ice man these hot days. By the way, this man was a woman, and the ice man says that she is about the warmest proposition on beat; especially when she has some ninety other friends working on her formula. This is the formula for getting the full weight of the ice you buy:

Measure your block of ice and multiply the three dimensions—width, breadth and length—as expressed in inches, and then divide the result by 30. The quotient should represent the number of pounds the block will weigh.

"For several weeks my fifty-pound block of ice weighed only about forty-one pounds," said a lady, "but after I exposed the shortage two or three times the ice man has been bringing me full weight. It is a simple little rule, which every housewife should learn for her own protection. The ice men are required by city ordinance to carry scales, but for all that I have never seen one of them weigh a piece of ice he was delivering."

Down in Baltimore another ice genius is working out the hard water problem. He makes vacuum ice. This is how he does it:

This ice is made by exhausting all the air from large tanks, thus creating a vacuum, and then admitting filtered water into the vacuum tanks. The product is white, not unlike loaf sugar, minus the crystals.

The appearance of the vacuum ice is explained by the fact that it is frozen whilst the water is in constant agitation, being sprayed directly into the freezing chamber, and not whilst in a solid body, as is the case with natural or ammonia ice. It is stated that the plant has a capacity of of about 100 tons daily. The ice is formed in the shape of a hollow cylinder, the frozen product weighing about 3,200 pounds, and is sawed into 16 blocks of commercial size by a revolving saw and afterwards trimmed.

But what the consumer wants is a financial genius who can tell him how to juggle the ice bill out of the way or reduce its robustness.

GREATER NEW YORK ITEMS

** Frank Kolheia, after chasing his clerk and another man from his butcher shop at 423 Bloomfield street, Hoboken, with a saw, ran into his ice box and tried to whack and saw himself to pieces.

** Henry Hammel, the butcher at 347 E. Forty-sixth street, fell from his fourth-story window Saturday morning and fractured his skull. He was sleeping at an open window.

** Armour & Co. have filed a judgment for \$149 against Frank Corbin.

** A judge's order has been signed for the distribution of the assets of the Market Ice Company.

The New York Board of Health reports the amount of meat seizures for week ending Wednesday, July 10, 1901: Beef, 2,350 lbs.; veal, 4,330 lbs.; mutton, 360 lbs.; poultry, 8,860 lbs.; pork, 2,680 lbs.; assorted meats, 600 lbs.; total, 19,180 lbs.

** President T. H. Wheeler, of the T. H. Wheeler Co., and director of the G. H. Hammond Co., has gone West and will be absent some time.

** Charles Oser, of 38 First avenue, is retiring from business on August 1. He has been in the market line some time.

** D. L. Stevenson & Co. have opened a meat and provision market at 519 Broadway, Astoria.

** The freight handlers on one of the roads got a bit "mullish" last week, and stalled freight so provisions went up.

** A man walked up to the storage room of the Arctic Freezing Company's place and asked for permission to cool off for an hour for hay fever. He is said to have been a meat man.

** Vice President Fred Joseph, of the

Schwarzschild & Sulzberger Co., is back from Europe after a long and a pleasant vacation trip.

** Manager Finckeldy, of J. S. Bailey & Co., keeps the ball rolling right along at a lively gait. He makes eaters happy all over the world.

LOCAL AND PERSONAL

** The Norwalk (Conn.) Poultry Company is branching out. Two new 100-ft. laying houses and a new 25-ft. brooder have been added.

** The Philadelphia Crab market gets 2,000 lbs. of frozen crabs in cans daily. This is worth \$1 per gallon. They come from Maryland in trains at night.

** Frank Cook, the well known butcher at Covington, O., got blood poisoning in his arm and had to have it amputated to save his life.

** The Health Board of Wilkinsburg, Pa., is hot after the butchers there for throwing refuse in the creek. Peddlers without licenses must get off the earth. They will be hounded out of the place.

** A daily paper referred to the big fire at A. A. Jewett & Co., in Philadelphia, Pa., last week as "A \$300,000 barbecue."

** An Italian butcher named Antonio Boleno was robbed and killed near Conemaugh furnace, Latrobe, Pa., for his money last week.

Must Cut the Heads Off

The new Pennsylvania meat law, effective on June 20, of this year, preventing the importation and sale in Pennsylvania of dressed carcasses of lamb and sheep with the hoofs on. The penalty for violation is a fine ranging from \$100 to \$300, and for additional offenses imprisonment of from sixty days to one year.

The man who introduced this bill is a butcher, and he claims that it is in the interest of the public health. Possibly.

New Shops

Mr. Parker has re-opened his meat market at Goshen, Va.

Melton H. Allen has re-opened the meat market at Saugatuck, Conn.

Mr. Burkett opened his market at Emporia, Kan., July 1.

Walter Sprecher is longing to get in his new meat market premises, which are nearly completed at Five Pointsville, Pa.

Platts meat market was "raised" at Bridgeport, Conn., last week. The refreshments served were fine.

R. Winard is the new butcher at Port Jervis, N. Y. His market is running well.

Business Changes

Frank Carlton is now sole owner of the meat market at Granville, N. Y., having purchased the interest of his partner, C. H. Carlton.

John Burke is the present owner of Burke & Dinslow, at North Elm street, Westfield, Mass. It is now Burke Bros.

Emmons Brothers have discontinued their butcher shop at Matawan, N. J., and have gone back to farming.

Lewis Green, of Batavia, N. Y., has bought the meat market of Fred David at Dundee.

A. LESTER HEYER, CURER, SMOKER AND PACKER

High Grade Hog and Beef Products, Mild Cured Ox Tongues, Breakfast Bacon, Hams, etc.

LARD REFINER

318 and 320 EAST 39th STREET, NEW YORK CITY.

No Connection With Any Other House

HO! FOR BUFFALO!



THURSDAY, AUGUST 8th

IS

BUTCHERS' AND MARKETMEN'S DAY

AT THE

PAN-AMERICAN EXPOSITION



THIS IS YOUR OPPORTUNITY

The Director-General of the Pan-American Exposition has designated Thursday, August 8, as "Butchers' and Marketmen's Day," and he has requested the editor of the National Provisioner to take charge of the details and to arrange the program for the occasion. The Hon. William I. Buchanan, Director-General of the Exposition, after a pleasant correspondence, makes his request in a letter to us, and in it he shows his desire that the day should be a success. His letter of request is as follows:

"Colonel JOHN F. HOBBS,
"Editor The National Provisioner,
"150 Nassau St., New York.

"Dear Sir:

"I beg to state that August 8 is designated as 'Butchers' and Marketmen's Day,' and, if it meets with your approval, will you undertake the preparation of a program and see that special efforts are made to make the day a successful day at the Exposition?

"Very respectfully yours,

"WM. I. BUCHANAN,
"Director-General."

It is particularly appropriate that the date above named should be selected, as the Eastern National Retail Butchers' Mutual Protective Association will hold its annual convention at Tonawanda, a suburb of Buffalo, on August 6, 7 and 8. This will enable all of the delegates to visit the exposition under the most auspicious circumstances.

Though the date named is the last day of the convention, it will in no way interfere with the business to be transacted, as there will be ample time to visit the exposition after adjournment.

PROGRAM TO BE ARRANGED

The day, however, will not be confined in its privileges to the delegates, but is open to all butchers and marketmen from all parts of the country, and every effort will be made for their accommodation and comfort.

The details of the program will be arranged by The National Provisioner, as requested by the Director-General, and no pains will be spared to make it as full as the short time which elapses will permit.

Big Attendance Wanted

This day will be the great opportunity for butchers and marketmen to view the beautiful exposition and have fitting honor paid them. Every one who can do so should make an effort to attend and show what a big thing marketdom is. We hope that the trades will show that they appre-

ciate the recognition shown them by the authorities of this great exposition and attend in large numbers.

Leave the meat block for a few days and enjoy yourself at Buffalo. It is fine there at this time of the year. You can do it at this season better than at any other because the summer business is slack. You will come back knowing more and feeling better.

Niagara Falls

Besides there is the side trip to Niagara Falls, less than an hour's ride from Buffalo on a trolley car. It is worth a trip from the "under side" of the earth. See these things! They give you an idea of the immensity of nature as well as of business possibilities. They take the cob-webs out of your eyes, refresh your brain and

make you a thinking as well as a working-machine. You can never make the trip at a less cost than now and never get so much into it. It is more than worth your while to go to the great Pan-American.

Forget Business

Make up your mind to go for this day, get your business in shape for it, board a train at the proper time, forget about the shop, and tell the conductor you are going to "get off at Buffalo."

Any inquiries to the National Provisioner will be at once answered. Be a committee of one and help us make a big day of it.

In writing us address The National Provisioner's Pan-American Bureau Room 1508, 150 Nassau street.

WILLIAM SIMPSON

22, 90, 91, 92, 93 St. John's Market,

LIVERPOOL, ENGLAND.

Established 1870.

Cable Address: "Java," Liverpool.

Also The Lairage, Birkenhead.
Manchester and Hamburg.

CONTRACTOR AND COMMISSION AGENT for all kinds of Beef and Hog Products. Consignments Solicited. Having the largest connection throughout the United Kingdom with the buyers, users and manufacturers of all packinghouse products, I can handle these goods to the fullest advantage and benefit of consignors. Bankers: HILL & SONS, London and Liverpool.

**10c.****PER****THOUSAND.**

We offer Superior Copper Finished Steel Meat Tag Bars, packed one hundred thousand in a case at 10c. per thousand. F. O. B. Buffalo.

HELLRIEGEL & COMPANY,
Manufacturers, East Buffalo, N. Y.

JOHN JAMISON,

Established 1849.

Water and Market Streets,

Packinghouse,
138 and 140 N. Delaware Ave.,**Philadelphia.****Commission Merchant,**

BUTTER, CHEESE, EGGS, POULTRY,
Provisions, Salt Fish, Salt, Etc.

FOR SALE OR LEASE

Stockyards, up-to-date abattoir, cold storage and ice plant for sale or lease, at large Western river and rail terminal. Replies to F. W., Box 29, care of THE NATIONAL PROVISIONER.

JOHN R. ROWAND,
MANUFACTURER OF

CHARCOAL

Re-Carbonized, Pulverized and Granulated
For Chemical, Rectifying and Foundry Purposes;
also for Ice Manufacturers a specialty.

ENTERPRISE MILLS, CLEMENTON, Camden Co., N. J.
REFERENCES: U. S. Mint, Rosengarten & Sons,
Stuart, Peterson & Co., Philadelphia Ware-
housing and Cold Storage Co., Philadelphia.
Philadelphia, Pa., March 3, 1898.

Mr. John R. Rowand:

Dear Sir: We have been using your Re-carbonized Granulated Charcoal for a long time, and cheerfully add my testimony as to its quality and cleanliness, effectiveness as a filtering.

Yours truly, **JOHN W EDMUNDSON,**
Chief Engineer Philadelphia Warehousing and Cold Storage Co.

Advertising

is to Commerce what Steam is to Machinery—the great propelling power, and THE NATIONAL PROVISIONER is the powerful medium for pushing your business among its trades.

PIPE COVERINGS STEAM and BRINE

ESTIMATES FURNISHED. CONTRACTS EXECUTED.

Asbestos Paper and Packings. Mineral Wool. Trade Supplied.

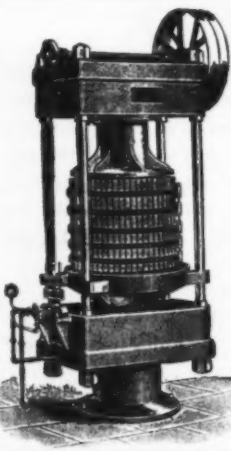
ROBERT A. KEASBEY, 83 Warren Street, New York, and 13 Terrace, Buffalo, N. Y.

We carry in stock a full line of



BELT and
ELECTRIC FANS
and also
WATER MOTORS

For Running Belt Fans.

For Descriptive Catalogue and Prices
send to**HUNTER FAN & MOTOR CO., Fulton, N. Y.****HYDRAULIC
SCRAP PRESS.**

Three Sizes by Hand or Power.

Doors Swing open to remove crackling.

Follower swings back to uncover hoop when putting
in scrap.

Full pressure at any point.

No blocking required.

SEND FOR

CATALOGUE.

Boomer & Boschert Press Co.

362 W. Water Street, Syracuse, N. Y.

New York Office, 209 Greenwich Street.

**Cottonseed
Oil Machinery****MODERN GINNING SYSTEMS**

Write for Catalogue

E. Van Winkle Gin & Machine Works

ATLANTA, GEORGIA, U. S. A.

Local Oil Mills and Ginneries Combined

W. G. RICKER, 19 Montrose Street, Rochester, N. Y.**COLD STORAGE AND
REFRIGERATING ROOMS**Direct Electric
Hydraulic
Passenger**ELEVATORS**Freight
Sidewalk
Carriage

Haying Tools, Hand Hoists and Overhead Tracking for Cold Storage and Warehouses

AMONG THE ASSOCIATIONS

The Butchers' Union (clerks) is closing up the "boss" butchers' shops at Denver on the early closing plan.

The Retail Merchants' Association—retail butchers' section—of Toronto, Can., has its Credit Reporting and Collecting Department Committee busy making out the "Bad Pays" list of the members. Its size is astounding. A monthly delinquent list will be made out. In the mean time the association will hustle itself together and help entertain the Duke and Duchess of Cornwall.

The Retail Butchers' Union members who struck at San Francisco, Cal., recently because the dealers would not display union cards have cooled down and gone back to work quietly.

In the parade of the Butchers' and Grocers' Association, at Fort Worth, Tex., one of the banners bore this inscription: "Shorter hours elevate your business; long hours degrade it."

The shorter work day is becoming more popular all over this country.

The butchers and grocers, of Lowell, Mass., have their annual outing on July 25. The outing will be at Willowdale.

The Washington, D. C., Butchers' Abattoir Co.—known as the Washington and Virginia Stock Yards and Abattoir Company—has met, organized and elected the following officers: President, William G. Carter; vice president, Charles E. Ebel; treasurer, J. E. Donovan; secretary, Louis P. Krey. These, together with Lewis Hoffenmaier, William F. Hunt, R. A. Golden, and Charles W. Botsch, comprise the board of directors.

The Merchants' and Butchers' Association, of Colorado Springs, Col., will go to Rosemont on the 18th on an excursion. There will be a good old time.

About a third of the capital of the Virginia Stock Yards and Abattoir Company just across from Washington, has been subscribed. This is a proposed abattoir of District of Columbia butchers. The Washington Association is back of it. It is proposed to raise \$50,000.

The Butchers' and Grocers' Association of Kalamazoo, Mich., decided to have the annual outing on July 23. The place for the picnic has not been chosen.

Muskegon, Mich., grocers and butchers will unite in a monster picnic at Mona Lake park, the new resort, August 8. They will have two balloon ascensions, two bands and speeches.

You've Heard of Paris Restaurants

Our consul at Paris, France, says:

"The annual report concerning the food supply of Paris for 1900 contains some interesting figures. Here is the official average of what a Parisian eats and drinks in one year: Two hundred and forty-two eggs, 19.62 pounds of butter, 3.05 pounds of ready-cooked butcher's meat, 34.92 pounds of fish, 154.70 pounds of beef, 25.38 pounds of pork, and 27.83 pounds of fowl and game.

"This gives a daily average of two-thirds of an egg, 380 grains of butter, 57.12 grains of ready-cooked butcher's meat, 669 grains of fish, 6.81 ounces of beef, 1.11 ounces of pork, and 1.21 ounces of fowl and game.

"The Parisian drinks in a year 1.89 gallons of alcohol, 3.07 gallons of beer, 1.48 gallons of cider, and 44.9 gallons of wine. This gives a daily average of 0.0387 pint of alcohol, 0.067 pint of beer, 0.0334 pint of cider, and 0.99 pint of wine."

MORTGAGES, BILLS of SALE AND BUSINESS RECORD**Butcher, Fish and Oyster Fixtures**
*The following Chattel Mortgages and Bills of Sale have Been Recorded***BOROUGH OF MANHATTAN.****Mortgages.**

Drisen, A., 331 E. 5th; to L. Heins-furter	\$100
Kampller, J., 2051 2d ave.; to L. Heins-furter	50
Morrovitz, J., 1612 1st ave.; to N. Mar-rovitz	200
Miller, F., 217 Willis ave.; to J. Gelger	400
Riceker, C., 1809 2d ave.; to Anna M. Eich	350
Schwahn, N. C., 1752 2d ave.; to L. Heinsfurter	125

Bills of Sale.

Eich, J. G., 1811 2d ave.; to C. Riecker	600
Gelger, J., 217 Willis ave.; to F. Miller	1,340
Pape, M., 2132 Washington ave.; to Globe Security Co.	75
Ruggrien, V., 24 Baxter; to Globe Security Co.	100

BOROUGH OF BROOKLYN.**Mortgages.**

Kelly, R. J., Enfield St. & Blake ave.; to Meil Bros. (Cons.)	1,175
---	-------

Bills of Sale.

Fehleisen, Rosene, 424 Classon ave.; to J. Fehleisen, Jr.	nom.
--	------

* The New York Board of Health reports the amount of meat seizures for week ending Wednesday, July 3, 1901: Beef, 6,930 pounds; veal, 6,120 pounds; mutton, 2,460 pounds; poultry, 9,830 pounds; pork, 6,166 pounds; ass'd meats, 200 pounds. Total, 31,706 pounds.

Grocer, Delicatessen, Hotel and Restaurant Fixtures

The following Chattel Mortgages and Bills of Sale have Been Recorded

BOROUGH OF MANHATTAN.**Mortgages.**

Cohen, L., 135 Clinton; to H. Goldstein	200
Greenberg, I., 298 Delancey; to H. Goldstein	150
Herzlich, M., 149 Spring; to S. Levin	200
Kleiber, Sam., 82 Delancey; to H. Rieger	147
Miller & Grossman, 778 7th ave.; to M. Price	275
Miller, M., 90 to 96 Clinton; to G. Wyner	2,000
Strothman, F., 324 Greenwich ave.; to A. Strothman	2,000
Schoenfeld, I., 2466 Houston; to S. Harris	300
Weinkranz, H., 240 Rivington; to D. Cooper	100
Wald & Meran, 71 Mercer; to V. Meran	540

Bills of Sale.

Blomgren, G., 174th st. and Washington ave.; to C. Enoch, B., 229 Columbus ave.; to H. Enoch Allen ..	375
Zins, Ed., 1962 3d ave.; to S. & M. Markovitz & Co.	500

BOROUGH OF BROOKLYN.**Bills of Sale.**

Alfano, P., 43 Havemeyer; to M. Gaiman	500
Baldwin, G. C., 48 Smith; to E. H. Baldwin	nom.
Ficke Bros., 384 Pacific; to J. F. Hot-tens	6,700
Lustig, J., 1086 Manhattan ave.; to N. Nathanson	475



\$1000.00 IN GOLD

\$1,000.00 in Gold Will Be Paid by Us to Any Person Who Will Prove FREEZE-EM is Not the Best Known Preservative for Pork Sausage and Chopped Beef.

IF YOU MAKE YOUR OWN PORK SAUSAGE

and have never used FREEZE-EM in it, write us at once for LARGE FREE SAMPLE BOTTLE.

By the use of FREEZE-EM, Pork Sausage and Hamburg Steak retain their Perfectly Fresh Appearance and they can be exposed on a counter for a Long Time, without being affected by the changes of the weather. Roasts, Loins, and All Cuts of Meat can be kept Fresh and Wholesome in any climate. FREEZE-EM can be used with Surprising and Pleasing Results in the Washing of Poultry and Meats that have become Slightly Tainted. Butchers who have tried FREEZE-EM say that it saves them TEN TIMES ITS COST.

Do not neglect to write us, TO-DAY, for LARGE SAMPLE BOTTLE, with FULL INSTRUCTIONS FOR USE, FREE, ALL CHARGES PREPAID.

B. HELLER & CO., Mfg. Chemists, 249 S. Jefferson Street, CHICAGO, U.S.A.

In purchasing FREEZE-EM from jobbers Beware of Fraudulent and Worthless Imitations.

Cable Address, "Rabbits, Liverpool."

A. B. C. Code, 4th Edition. Reference, the Bank of Liverpool, Limited,

ISAAC GRACE, Jr.

353, 356, 357, 358 St. John's Market

LIVERPOOL

POULTRY SALESMAN, ALSO COMMISSION AGENT FOR ALL KINDS OF POULTRY AND GAME

Having the largest connection with the principal buyers of Poultry throughout the United Kingdom, I am in a position to handle these goods to the best possible advantage, and to the greatest benefit of consignors.

CORRESPONDENCE INVITED

CONSIGNMENTS SOLICITED

Any information readily given as to packing weights and qualities most suitable for the English market.

ST. LOUIS LIVE STOCK REVIEW

The receipts during the week ending July 10 were as follows: 21,861 cattle, 33,133 hogs and 7,606 sheep, against 22,168 cattle, 44,705 hogs and 22,335 sheep received during the previous week.

CATTLE.—Heavy receipts last week and hot-dry weather has had a depressing effect on values, and all classes and grades have suffered a sharp reduction since the week before. The best beef steers declined last week 10 to 15 cents; good to medium ones, 15 to 25 cents, and common kinds, 25 to 40 cents. Butter cows and heifers went off 25 to 35 cents; stock steers and feeders 35 to 65 cents, according to quantity; bulls 10 to 20 cents, and milkers, \$4 to \$5 per cow and calf. Veal calves maintained a top of \$5.50 per head up to the close.

HOGS.—The usual run of hogs arrived last week, and they were reasonably good in point of quality, but did not include many choice heavy grades. Prices ruled about 5 cents higher on the medium and heavy hogs, but the pigs and only fair grade lights showed no improvement, while good lights were only a shade better.

SHEEP.—The market is now on the lowest basis of several years, and during the first half of last week was glutted and demoralized. This condition has been somewhat relieved by the fact that the clearance of mutton stock is about complete, but prices are no better and buyers are pretty well filled up, especially on lambs. Good to choice grades find ready sale, but medium and fair kinds are a drag on the market.

Provision Market

The receipts during the week ending July 10 were: Hams, 129,400 lbs; meats, 5,539,000 lbs; lard, 665,500 lbs., and 15 bbls. pork.

Stronger all round, though pork, boxed meats and green hams showed no change; but spot lard was higher.

PORK. F. O. B., IN A JOBBING WAY.—Quote at \$15.50 to \$15.75.

LARD.—Choice clean on East Side closed nominally at 8.42½c.

TALLOW.—Firm; country selling mainly at 4½c. for current receipts grassy summeats and green hams showed no change; choice held at 5½c.

OLEO-STEARINE.—Firmly held at 9¾c.

HIDES.—In scant offering and very firm.

PATENTS AND TRADE-MARKS

677,335.—ELECTRIC SOLDERING DEVICE FOR CAN-CAPPING MACHINES. Julius H. C. Buerstatte, Manitowoc, Wis. Filed Sept. 17, 1900. Serial No. 30,216.

677,337.—MEAT OR VEGETABLE CUTTER. Murdick Cameron, Duluth, Minn. Filed Jan. 25, 1901. Serial No. 44,659.

677,368.—PROCESS OF MANUFACTURING LEATHER. James C. McConnell, Cornelia, Ga. Filed Nov. 13, 1900. Serial No. 36,421.

677,380.—REFRIGERATOR. William Thomas, Pittsburg, Pa. Filed Jan. 10, 1901. Serial No. 42,786.

677,416.—EVAPORATING PAN. Isidor Kitsee, Philadelphia, Pa. Filed Feb. 26, 1900. Serial No. 6,599.

677,425.—UNHAIRING MACHINE. John C. Rothe, Brooklyn, N. Y., assignor to Joseph Goldin, Samuel Rosenthal, Meyer Wolfsohn and Jacob Schreiber, New York, N. Y. Filed Oct. 22, 1900. Serial No. 33,857.

677,473.—VEGETABLE CUTTER. Richard E. Royal, Tell City, Ind. Filed Oct. 8, 1900. Serial No. 32,425.

677,526.—WEIGHING MACHINE. John Manes, San Francisco, Cal., assignor, by direct and mesne assignments to Suspension Beam Scale Co., of California. Filed Dec. 19, 1900. Serial No. 40,428.

677,536.—INDIRECT AIR-CIRCULATING SYSTEM FOR COLD STORAGE APPARATUS. Madison Cooper, Minneapolis, Minn. Filed Nov. 19, 1900. Serial No. 36,966.

677,587.—OAT STOCK-FEED AND PROCESS OF PRODUCING SAME. John D. Nagel and Henry R. Nagel, Bushnell, Ill. Filed April 3, 1900. Serial No. 54,195.

677,702.—PULVERIZING MILL. William M. Russell and Frank P. Bixon, New York, N. Y. Filed Aug. 20, 1897. Renewed Dec. 10, 1900. Serial No. 39,280.

677,845.—REFRIGERATION SYSTEM. Clyde J. Coleman, Chicago, Ill., assignor, by mesne assignments to Clarence W. Coleman, same place. Filed Jan. 12, 1900. Serial No. 1,199.

36,680.—CERTAIN NAMED FOOD PRODUCTS. The Mattie Mitchell Co., Cleveland, Ohio. Filed Sept. 1, 1900. Essential feature: A long narrow field with a central enlargement and projecting cereals. Used since 1885.

36,681.—CANNED GOODS. Stone-Ordean-Wells Co., Duluth, Minn. Filed May 17, 1901. Essential feature: The representation of the moon in the last quarter surrounding the face of an Indian in profile and an uplifted right hand and forearm and a tomahawk. Used since March 6, 1901.

36,683.—CANNED GOODS. Stone-Ordean-Wells Co., Duluth, Minn. Filed May 17, 1901. Essential feature: The word "Nokomis." Used since March 6, 1901.

36,683.—COMPRESSED FOODS. The American Compressed Food Co., Passaic, N. J. Filed Feb. 10, 1900. Essential feature: The representation of an eagle. Used since February, 1898.

36,684.—COMPRESSED FOODS. The American Compressed Food Co., Passaic, N. J. Filed Feb. 10, 1900. Essential feature: The representation of an eagle. Used since November 1, 1898.

INSPECTION ENGINE FOR THE BURLINGTON

A curious-looking piece of machinery is the new inspection engine turned out for the Chicago, Burlington & Quincy Railroad. It is a combination of a locomotive and passenger car, the car being set on and around the engine boiler, so that from the windows at sides and front the road-bed can be inspected by the railroad officials to the greatest advantage. It might appear such near proximity to the boiler would mean uncomfortable warmth, but this is avoided by an extra thickness of "plastic lagging," as it is called, a non-conductor of heat, in connection with an air chamber between this and the floor of the car. The machine is lighted with electricity, even to an electric headlight, and ten lights distributed under the engine to afford light when oiling. It will be used constantly on all inspection trips.

CHICAGO MARKET REVIEW

WESTERN OFFICE OF
THE NATIONAL PROVISIONER.
Room 424 RIALTO BUILDING.

Live Stock

Receipts.

	Cattle.	Calves.	Hogs.	Sheep.
Thursday, July 4. Holiday...				
Friday, July 5.....	4,463	341	14,076	10,023
Saturday, July 6.....	483	94	6,456	1,132
Monday, July 8.....	23,051	589	24,854	20,656
Tuesday, July 9.....	4,116	904	12,812	1,277
Wednesday, July 10.....	17,000	700	22,000	15,000

Shipments.

	Cattle.	Calves.	Hogs.	Sheep.
Thursday, July 4. Holiday...				
Friday, July 5.....	3,241	20	4,070	1,729
Saturday, July 6.....	521	16	2,019	279
Monday, July 8.....	5,816	94	7,236	849
Tuesday, July 9.....	2,616	5	4,368	642
Wednesday, July 10.....	5,000	90	7,000	1,500

Range of Cattle Values

Prime heaves, 1,000 to 1,600 lbs.....	\$6 00 @ \$6 30
Good to choice b'vs, 1,200 to 1,600 lbs.....	5 45 @ 5 55
Fair to medium shipping ex. steers.....	5 00 @ 5 30
Plain to common beef steers.....	4 50 @ 4 80
Common to rough, 1,000 to 1,200 lbs.....	4 00 @ 4 35
Good to f'cy feeders 800 to 1,200 lbs.....	3 75 @ 4 50
Plain to fair light stockers.....	2 00 @ 2 65
Bulls, poor to fancy.....	2 25 @ 4 50
Good fat cows and heifers.....	3 15 @ 3 60
Good cutting and fair beef cows.....	2 40 @ 3 00
Common to good canning cows.....	1 40 @ 2 35
Veal calves, fair to fancy.....	6 00 @ 6 50
Stock calves, common to fancy.....	2 50 @ 4 50
Fed Western steers.....	4 50 @ 6 00
Fed Texas steers.....	4 00 @ 5 10
Texas cows, bulls and plain steers.....	2 50 @ 3 90

Range of Hog Values

Choice to ex. strong-wt. shipping.....	\$8 07½ @ \$8 20
Rough to good heavy packing.....	5 95 @ 6 07½
Selected butcher weights.....	6 05 @ 6 15
Plain to choice heavy mixed.....	5 90 @ 6 10
Assorted light, 150 to 180 lbs.....	5 90 @ 6 05
Common to fancy light mixed.....	5 85 @ 6 07½
Thin to choice 80 to 110 lb pigs.....	4 25 @ 5 50
Culls, stags and throwouts.....	3 00 @ 5 75

Range of Sheep Values

Export muttons.....	\$4 10 @ \$4 35
Good to prime wethers.....	3 70 @ 4 00
Medium to choice mixed natives.....	3 30 @ 3 85
Good to prime Western muttons.....	3 70 @ 4 10
Fair to choice fat ewes.....	3 30 @ 3 65
Plain ewes, coarse lots and feeders.....	2 50 @ 3 25
Plain to choice yearling feeders.....	3 25 @ 3 75
Good to fancy yearlings.....	3 85 @ 4 35
Poor to fair clipped lambs.....	3 75 @ 4 40
Good to fancy clipped lambs.....	4 65 @ 5 00
Spring lambs, good to choice.....	5 10 @ 5 75

Packers' Purchases Last Week

HOGS.

Armour & Co.....	26,000
Anglo-American.....	11,800
Boyd-Lunham & Co.....	5,500
Continental Packing Co.....	3,800
T. J. Lipton & Co.....	5,400
G. H. Hammond & Co.....	2,500
Nelson Morris & Co.....	6,500
Swift and Company.....	20,000
Omaha Packing Co.....	10,000
City butchers.....	4,500
Total.....	97,000

Live Stock Notes

The average gross weight of the live hogs received at Chicago last week, was 232 lbs., against 234 lbs. a year ago and 231 lbs. week before last.

Exports of hog products last week: Pork, 2,240 bbls.; lard, 7,955,000 lbs.; meats, 28,988 boxes. Last year: Pork, 9,770 bbls.; lard, 14,530,000 lbs.; meats, 29,903 boxes.

Average weight of the 4,002,483 hogs received at the Chicago stock yards the first six months of 1901, 226 lbs. against 226 lbs. the same period in 1900.

W. H. Thompson, Jr., president of the National Live Stock Exchange and a score of other prominent stockyarders are circulating a petition, which will be sent to President McKinley, asking that the opening of this Indian land be post-

poned until Oct. 1, which will enable the cattle owners to arrange for marketing the stock. T. S. Hutton, E. B. Hancock, Sam Davidson and S. B. Burnett, in the West, are getting signatures to the petition. It will be forwarded to the President Saturday. On these reservations 200,000 head of cattle are grazing. They are in an immature condition, and almost wholly unfit for market. These cattle are owned by several western cattle kings, whose leases of this Indian pasturage expired July 6. The contention made by the live stock men is that if these cattle are forced on the market in August they will cause a wholesale slaughter of prices and perhaps be the ruination of some of their owners. They will also spread disease in certain forms and do untold damage. They cannot be driven into Texas for want of pasturage, nor taken north owing to the federal and state quarantine law now in force.

In reference to the question whether the President's proclamation opening Indian reservations means that cattle must be cleared out by August 6 next, Secretary Hitchcock said: "Any cattle remaining on the Wichita and Kiowa reservations will be at the owner's risk after Aug. 6. After that date the department will, as far as practicable, permit proper use of Kiowa pastures set aside for use of the Indians on such pro rata basis in terms as will be fair to the Wichita and Kiowa cattlemen."

The Drovers' Journal's cablegram from Liverpool quotes the cattle market strong, with sales at 12@12½c, against 11½@12½c, last week and 12¾@13½c a year ago.

Last week only 4,240 car loads of live stock were received at the Chicago stockyards, being the smallest week's total of the year. The Northwestern road led with 920 cars, against 950 a year ago; Burlington 802, against 775 a year ago; Milwaukee 699, against 758 a year ago; Rock Island 430, against 354 a year ago.

The following table gives the number of car loads of live stock received at the Chicago stockyards the first six months of 1901, compared with car receipts the same period of 1900:

	1901.	1900.
Northwestern	34,863	31,461
Milwaukee	27,580	25,197
Burlington	24,088	25,163
Illinois Central	14,798	15,113
Rock Island	13,450	13,280
Great Western	4,214	4,584
Wabash	4,234	4,178
Chicago and Alton	4,350	4,267

General Live Stock Situation

(Special Letter to The National Provisioner from the Mallory Commission Co.)

HOGS.—Receipts of hogs are lighter in all of the principle markets, with the exception of Kansas City where the drought

has taken a greater hold than anywhere else. This condition is forcing a great many pigs and unmatured hogs to market, but the weight is not there, as fully 50 per cent. of the receipts under such conditions are nothing but pigs. The quality of the hogs in other markets is fair for this season of the year, but as usual there is a much larger percentage of brood sows and common hogs generally. The shipping demand for hogs continues good, and choice smooth hogs of all weights are in good demand, medium and heavy weight hogs selling at a good premium. The range in prices has widened and the packing grades in Chicago are selling at 5.60@5.90, while good to choice hogs are selling at 5.90@6.20. The provision market has had a good break, and in all probability is now in much stronger hands; and with the corn market advancing and the prospect for moderate receipts of good hogs during the summer, together with a good demand for the product, we can see nothing discouraging in the situation and would not be surprised to see hogs and provisions sell still higher. But we also believe present prices are good, and with any general liquidation we may have a temporary decline in the near future, which will mean better prices for the deferred months.

CATTLE.—The cattle situation is in much the same condition as hogs, a great many common and unmatured cattle being forced on the market on account of the dry weather. Strictly choice, well matured cattle are in good demand, but prices for nearly all grades of fat cattle show a decline of from 15@50c. compared with the best time this season. Stock cattle of all kinds have suffered more than anything else on account of the increased supply and a let-up in the demand. We believe prices are nearing a point where it will pay people who have proper facilities and feed to take hold.

SHEEP.—At last after months of patient waiting the sheep and lamb market has awakened from its lethargy, and buyers have demonstrated once more that they are awake and were in sharp competition with each other during the week for all kinds of sheep and lambs. It was certainly quite a relief to the selling interests that have been hammered so hard during the past six months, and we certainly hope that the packers will realize that a happy medium should be maintained for the good of the entire trade. Fed lambs sold up to 5c. during the week, but as they are practically all marketed we will have to depend entirely upon the range lambs and native spring lambs for the balance of the summer and fall season. A few strictly choice Idaho lambs were sold at 5.65 during the week; some grass wethers, at 3.60@3.75, and yearlings at 3.75@4.00. These prices are not very high, but in our judgment are nearer their value than at any other time this season. We look for moderate receipts of western grass stuff for the next week or so, but more liberal receipts later. The ranges are in good condition and unless they change materially sheep owners will not be forced to liquidate on account of lack of feed. We therefore advise all of our friends who indulge in eating meat to keep their eyes on mutton and lamb markets, as it is still lower than any other commodity in the shape of meat.

Provision Letter

(Special Letter to The National Provisioner from A. C. Lazerus & Co.)

Chicago, July 10.

Gentlemen:—We quote to-day's market as follows:

GREEN HAMS.—10 to 12 lbs. aver., 10½c.; 12 to 14 lbs. aver., 10 to 10½c.; 14 to 16 lbs. aver., 9½c.; 18 to 20 lbs. aver., 9½c.

GREEN CLEAR BELLIES.—8 to 10 lbs. aver., 10½c.; 9 to 11 lbs. aver., 10c.; 10 to 12 lbs. aver., 9½c.

GREEN PICNICS.—5 to 6 lbs. aver., 7½c.; 6 to 8 lbs. aver., 7½c.; 8 to 10 lbs. aver., 7½c.

GREEN NEW YORK SHOULDERS.—10 to 12 lbs. aver., 7½c.; 12 to 14 lbs. aver., 7½c.

GREEN SKINNED HAMS.—18 to 20 lbs. aver., 10½c.

NO. 1 S. P. HAMS.—10 to 12 lbs. aver., 10½c.; 12 to 14 lbs. aver., 10½c.; 14 to 16 lbs. aver., 10c.; 16 to 18 lbs. aver., 10c.; 18 to 20 lbs. aver., 10c.

NO. 1 S. P. SKINNED HAMS.—18 to 20 lbs. aver., 11c.; 22 to 24 lbs. aver., 10½c.; 24 to 26 lbs. aver., 10½c.

NO. 2 S. P. HAMS.—10 to 12 lbs. aver., 9½c.; 12 to 14 lbs. aver., 9½c.; 14 to 16 lbs. aver., 9½c.

NO. 1 S. P. PICNICS.—5 to 6 lbs. aver., 7½c.; 6 to 7 lbs. aver., 7½c.; 7 to 8 lbs. aver., 7½c.; 8 to 10 lbs. aver., 7½c.; 10 to 12 lbs. aver., 7½c.

S. P. NEW YORK SHOULDERS.—10 to 12 lbs. aver., 7½c.; 12 to 14 lbs. aver., 7½c.

S. P. CLEAR BELLIES.—8 to 10 lbs. aver., 10c.; 9 to 11 lbs. aver., 9½c.; 10 to 12 lbs. aver., 9½c.; 12 to 14 lbs. aver., 9½c.

COOPERAGE

Steady at 82½@90c for pork barrels and \$1.02½@1.05 for lard tierces.

WHOLESALE GROCERY MARKET

The business of the last week in the wholesale grocery line was of the seasonable sort. The volume of sales was not more than fair, though it was somewhat in excess of the corresponding week of last year. The general tone of the market for most staples was steady.

THE HIDE SITUATION

The hide situation from a packer's viewpoint is a particularly strong one at this time. Prices are ruling high and old stocks are completely cleared up. There is nothing on hand except June and July stock and for this there is a strong demand at prevailing prices. There are no indications of a break in the favorable market and the only thing which may have an adverse effect is a possible stringency in the money market, which would cause the tanners to be embarrassed for necessary funds. From the present outlook, however, even this seems not probable and the packers are not seriously taking it into consideration.

SALT GETTING TOGETHER

The salt "combine" is still combining, and when all the controlling interests are in, up will go the price of salt to every one. The little fellows will have to pay more than the big ones because they neither buy in such large quantities nor are they such a menace to the consolidated interests as are the bigger houses.

MARKET REVIEW

Hog products continue to be governed almost wholly by local and professional influences, with only a fair trade. Hogs plentiful and good in quality. Provisions have resumed their bullish tone after the few days of declining tendency they have recently shown.

ESTABLISHED 1866 INCORPORATED 1892
Market Reports Furnished Telephone "Yards" 995

BROWN, ST. JOHN CO.
LIVE STOCK COMMISSION
Rooms 57 and 59 Exchange Building
Union Stock Yards, CHICAGO

All kinds of live stock bought and sold on commission

FOR SALE OR LEASE.

The property of the Mound City Packing & Cold Storage Co., at St. Louis, Mo. Fully equipped with all necessary appliances and machinery ready for business. For particulars, write to

LORENZO E. ANDERSON,

Care of Mercantile Trust Company,
ST. LOUIS, MO.

VEGETARIAN SUBSTITUTES

Vegetarians have been attending the annual congress of their Federal Union at the Memorial Hall, Farringdon street, London, and hoping fervently for the reclamation of the carnivorous millions outside.

In accordance with the custom at these annual gatherings, there was an exhibition of preparations from which every vestige of the hateful meat was rigorously excluded, and the popular light luncheon was the rollicking lentil sandwich, with hop ale "on the side."

A hardened unbeliever who visited the exhibition was a little astonished to discover at one of the stalls a plate of what looked like cutlets. It was reassuring, however, to learn that they were absolutely innocent of meat, and that, like the rissoles on another dish, they might be eaten without a blush by the truest disciple of the turnip.

Nut foods, moulded to counterfeit the shameless sausage; countless extracts and preparations warranted to impart more bone, brain, blood and muscle than an entire herd of prize cattle, and innumerable tabloids, powders, syrups, desiccated foods, breads, oils, biscuits and soups, all suggestively named and attractively put up, were on show for the delectation of the faithful and the conversion of those who wander in the darkness of unbelief.

STURTEVANT'S NEW PLANT

The new plant of the B. F. Sturtevant Company, at Hyde Park, Mass., sketch plans for which are now well under way, will probably provide about eight acres of floor space, full double that existing in the old plant at Jamaica Plain. Nearly one-third of this area will be devoted to the manufacture of engines, motors and generating sets. The recent growth of this department has been almost phenomenal and it is in this field—particularly in the application of Sturtevant motors to Sturtevant fans—that the most rapid growth is expected in the immediate future. The entire plant will be equipped with Sturtevant generating sets and motors for direct driving of line shafts and of large individual machines.

Massachusetts Cattle Inspectors

The Massachusetts cattle commission has issued a circular containing a list of men residing in Vermont who are eligible to test cattle coming into Massachusetts under permits from the commission. These appointments are made only after thorough inquiry as to the fitness of the applicants.

SI—ONE DOLLAR

Send us \$1, and we will send to you one copy of **Redwood's Theoretical and Practical Ammonia Refrigerator**. 146 pages, cloth bound.

THE NATIONAL PROVISIONER

150 Nassau St., New York

THE MARKETS

CHICAGO
Chicago Provision Market and Range
of Prices

	Open.	High.	Low.	Close.
PORK—(Per barrel)—				
July	13.90	14.10	13.87½	14.00
September	14.10	14.37½	14.10	14.30
October	14.17½	14.35	14.15	14.30
January	14.15	14.30	14.15	14.30

LARD—(Per 100 lbs.)—				
July	8.52½	8.57½	8.52½	8.57
September	8.60	8.65	8.60	8.65
October	8.60	8.62½	8.60	8.62½
January	8.10	8.12½	8.07½	8.12½
RIBS—(Boxed 25c. more than loose)—				
July	7.87½	7.95	7.85	7.92½
September	7.97½	8.05	7.95	8.02½
October	7.90	7.95	7.90	7.95
January	7.32½	7.37½	7.32½	7.37½

PORK—(Per barrel)—				
July	13.97½	14.00	13.70	13.70
September	14.30	14.30	14.00	14.00
October	14.25	14.25	14.07½	13.97½
October	14.25	14.25	cmfwy	cmfwy
January	14.25	14.25	14.00	14.00

LARD—(Per 100 lbs.)—				
July	8.57½	8.57½	8.50	8.50
September	8.60	8.65	8.57½	8.57½
October	8.57½	8.62½	8.55	8.55
January	8.12½	8.12½	8.10	8.10
RIBS—(Boxed 25c. more than loose)—				
July	7.90	7.90	7.85	7.85
September	8.02½	8.02½	7.95	7.95
October	7.95	7.95	7.87½	7.87½
January	7.32½	7.32½	7.35	7.35

PORK—(Per barrel)—				
July	13.90	13.75	13.60	13.70
September	13.90	13.95	13.87½	13.90
January	14.10	14.10	14.10	14.10

LARD—(Per 100 lbs.)—				
July	8.55	8.55	8.57½	8.47½
September	8.57½	8.60	8.50	8.52½
October	8.57½	8.57½	8.50	8.50
January	8.15	8.20	8.15	8.17½
RIBS—(Boxed 25c. more than loose)—				
July	7.87½	7.90	7.85	7.85
September	7.92½	7.95	7.87½	7.90
October	7.85	7.87½	7.82½	7.82½
January	7.40	7.40	7.32½	7.37½

PORK—(Per barrel)—				
July	14.00	14.42½	14.00	14.20
September	14.00	14.42½	14.00	14.00

LARD—(Per 100 lbs.)—				
July	8.60	8.62½	8.57½	8.60
September	8.62½	8.65	8.62½	8.65
October	8.62½	8.67½	8.62½	8.65
RIBS—(Boxed 25c. more than loose)—				
July	7.95	7.95	7.97½	7.97½
September	7.92½	8.05	7.92½	8.05
October	7.90	8.02½	7.90	8.00

PORK—(Per barrel)—				
July	14.02½	14.62½	14.37½	14.45
September	8.72½	8.72½	8.67½	8.67½
October	8.72½	8.72½	8.65	8.65
RIBS—(Boxed 25c. more than loose)—				
July	8.07½	8.10	8.02½	8.02½
September	8.05	8.05	7.97½	7.97½

PORK—(Per barrel)—				
July	14.55	14.60	14.42½	14.52½
September	8.75	8.77½	8.70	8.75
October	8.72½	8.75	8.70	8.72½
RIBS—(Boxed 25c. more than loose)—				
July	8.07½	8.10	8.02½	8.10
September	8.00	8.07½	7.97½	8.05

RECEIPTS AT CENTERS

	Cattle.	Hogs.	Sheep.
Chicago	300	7,000	1,500
Kansas City	400	8,000	...
Omaha	200	5,500	500
St. Louis	200	1,500	...

	July 8.	July 9.	July 10.
Chicago	22,000	28,000	20,000
Kansas City	9,000	7,000	1,000
Omaha	1,000	2,500	3,000
St. Louis	5,500	4,000	1,200

	July 9.	July 10.	July 11.
Chicago	13,000	12,000	12,000
Kansas City	15,000	5,000	5,000
Omaha	3,500	7,500	2,500
St. Louis	5,500	7,500	2,000

	July 10.	July 11.	July 12.
Chicago	17,000	23,000	15,000
Kansas City	12,000	20,000	5,000
Omaha	3,000	6,000	1,000
St. Louis	4,000	5,000	1,000

	July 11.	July 12.	July 13.
Chicago	8,500	18,000	10,000
Kansas City	1,000	23,000	4,000
Omaha	2,500	6,500	1,500
St. Louis	5,000	6,000	1,500

	July 12.	July 13.	July 14.
Chicago	2,000	12,000	5,000
Kansas City	5,000	24,000	2,000
South Omaha	3,000	10,000	2,000
St. Louis	2,500	6,500	2,000

CORNED, BOILED AND ROAST BEEF.

	Per doz.
1 lb., 2 doz. to case	\$1.40
2 lb., 1 or 2 doz. to case	2.55
4 lb., 1 doz. to case	5.05
6 lb., 1 doz. to case	8.50
14 lb., ½ doz. to case	19.50

BEST TABLE SOUPS

	Per doz.
Ox tail, 2 lb., 1 or 2 doz.	\$1.85
Ox tail, 6 lb., 1 doz.	5.25
Kidney, 2 lb., 1 or 2 doz.	2.15
Mock turtle, 2 lb., 1 or 2 doz.	1.85
Mulligatawny, 2 lb., 1 or 2 doz.	1.85
Chicken, 2 lb., 1 or 2 doz.	1.85
Beef soup, 2 lb., 1 or 2 doz.	1.85
Soup Bouilli, 2 lb., 1 or 2 doz.	1.85
Soup Bouilli, 6 lb., 1 doz.	4.75
Consomme, 2 lb., 1 or 2 doz.	1.85
Julienne, 2 lb., 1 or 2 doz.	1.85

EXTRACT OF BEEF.

	Per doz.
Solid	
1 oz. jars, one dozen in box	\$2.25
2 oz. jars, one dozen in box	3.55
4 oz. jars, one dozen in box	6.50
8 oz. jars, half-dozen in box	11.60
6 oz. jars, half-dozen in box	22.00
Two, 5 and 10 lb. tins	\$1.75 per lb.

Fluids

	Superior.	Clarified.
2 oz. bottles, 1 doz. in box	\$3.00	\$3.10
4 oz. bottles, 1 doz. in box	4.50	4.50
8 oz. bottles, 1 doz. in box	7.50	8.00
16 oz. bottles, ½ doz. in box	12.75	13.50
Two, 5 and 10 lb. tins per lb. ....	.80	1.00

BARREL BEEF.

Extra plate beef	\$10.00
Plate beef	9.50
Extra mess beef	9.50
Prime mess beef	10.00
Beef hams	19.50

DRIED BEEF PACKED.

Ham sets	14½
Insides	14
Outsides	12
Knuckles	14½
Reg. cuds	11

SMOKED MEATS, PACKED.

A. C. hams	12-14 av. a	11½
skinned hams	10-18 av. a	12
Shoulders	6-8 av. a	9
Picnics	6-8 av. a	9
Breakfast bacon		14

PACKERS' SUNDRIES

California butts	7	a	7½
Hocks	4	a	4½
Dry salt spare ribs	2½	a	3
Pork Tenderloins	11	a	12½
Pork loins	7½	a	8½
Spare ribs	4	a	4½
Trimnings	4	a	4½
Boston butts	6½	a	7
Cheek meat	4	a	4½
Leaf lard	8½	a	8½
Skinned shoulders	7	a	

BUTTERINE

F. o. b. Chicago, packed in tubs, 25 lbs. and over—	
Good	9½
Special	11
Extra	12
Fancy creamery	13
Extra fancy creamery	14
For all packages less than 25 lbs., ¼c. per lb. additional.	

CURING MATERIALS

Refined saltpeter	4½	a	5
Borax acid, crystal to powdered	10½	a	11½
Borax	7½	a	8
Sugar			
Pure open kettle	4	a	4½
White clarified	4	a	4½
Plantation granulated	5½	a	5½
Salt			
Ashton, in bags, 224 lbs.	\$2.15		
Eng. packing, in bags, 224 lbs.	1.45		
Michigan medium, carlots, per ton	4.50		
Michigan gran., carlots per ton	4.00		
Casing salt in bbls., 280 lbs., 2X and 3X	1.20		

SAUSAGE CASINGS

Beef round, set of 100 ft.	a	9
Beef middles, set of 57 ft.	a	45
Beef bungs, each	a	10
Hog casings, per lb., free of salt	a	38
Hog bungs	a	8½
Medium, each	a	4½
Small, each	a	4½
Sheep casings, per lb.	a	50

COTTONSEED OIL.

P. S. Y. in tanks	37	a	38
P. S. Y. in barrels	42	a	45
*Butter oil in barrels	42	a	45
Crude in tanks	42	a	45
*Butter oil quoted according to quali.			

NEW YORK CITY

LIVE CATTLE

WEEKLY RECEIPTS TO JULY 8.

	Beesves.	Cows.	Calves.	Sheep.	Hogs.
Jersey City	2,693	2,058	23,434	6,132	
Sixtieth St.	3,297	200	9,106	1,223	271
Fortieth St.					1,349
West Shore Railroad	3,374	91			441
Lehigh Valley	1,856				3,166
B. & O. Railroad	423				1,465
Scattering			79	38	
Totals	11,313	261	11,903	31,613	18,938
Totals last week	12,100	212	12,576	34,790	22,185

WEEKLY EXPORTS TO JULY 8.

	Live cattle.	Live sheep.	Qrs. of beef.
Nelson Morris, Ss. Tauric.			4,500
Nelson Morris, Ss. Germanic.			1,100
Nelson Morris, Ss. Etruria.			2,000
Nelson Morris, Ss. Bohemian.	403		
Swift & Co., Ss. Germanic.			700
Swift & Co., Ss. Bohemian.	97		
Swift & Co., Ss. Marquette.			2,325
J. Shamburg & Son, Ss. Tauric.	350	1,582	
J. Shamburg & Son, Ss. Marquette.	250		
Schwarzshild & S., Ss. Tauric.	350		
Schwarzshild & S., Ss. Marquette.	250		2,600
W. A. Sherman, Ss. Buffalo.	200		
W. W. Brauer Co., Ss. Bohemian.	200		
Armour & Co., Ss. Bohemian.			4,100
Total exports	2,100	1,582	17,375
Total exports last week	2,544	1,727	19,257
Boston exports this week	1,704	650	17,700
Baltimore exports this week	823		
Philadelphia exports this week	879		
Portland exports this week	300	988	
Newport News exports this week	1,000		
Montreal exports this week	1,892	1,855	
To London	1,421	1,310	8,425
To Liverpool	2,987	2,242	26,060
To Glasgow	1,300	793	
To Bristol	230		
To Hull	200		
To Newcastle	258		
To Manchester	342	840	
Totals to all ports	8,907	5,085	35,085
Totals to all ports last week	10,000	8,728	36,563

QUOTATIONS FOR BEEVES.

Good to choice native steers	\$5.50 @ \$6.00
Medium to fair native steers	5.00 @ 5.45
Common and ordinary native steers	4.25 @ 4.90
Oxen and stags	2.50 @ 3.10
Bulls and dry cows	2.00 @ 2.25
Good to choice native steers one year ago	5.45 @ 5.80

LIVE CALVES

Live veal calves, a few selected	100 @ 7.00 @
Live veal calves, prime	6.75 @
Calves, mixed	4.00 @ 5.00

LIVE HOGS

Hogs, heavy weights (per 100 lbs.)	@ 6.50
Hogs, medium	6.50 @ 6.60
Hogs, light to medium	6.50 @ 6.60
Pigs	@ 8.65
Roughs	3.40 @ 5.00

LIVE SHEEP AND LAMBS

Spring lambs, best	7.50 @ 8.00
Spring lambs, medium	6.50 @ 7.00
Spring lambs, culls	6.00 @
Export sheep	6.00 @
Bucks	3.00 @

LIVE POULTRY

Spring chickens, large per lb.	17 @ 18
Spring Chickens, small to medium	15 @ 16
Fowls, per lb.	@ 11 1/2
Roosters, old, per lb.	@ 6 1/2
Turkeys, per lb.	@ 8
Ducks, average Western, per pair	70 @ 75
Geese, average Western, per pair	1.00 @ 1.25
Pigeons, per pair	15 @ 20

DRESSED BEEF

Choice native, heavy	8 1/2 @ 8 3/4
Choice native, light	7 1/2 @ 8 1/4
Common to fair, native	7 1/2 @ 7 3/4
Choice Western, heavy	7 1/2 @ 7 3/4
Choice Western, light	7 @ 7 1/4
Common to fair, Texan	6 @ 6 3/4
Good to choice heifers	7 1/2 @ 7 3/4
Common to fair heifers	6 1/2 @ 7
Choice cows	7 @ 7 1/4
Common to fair cows	5 1/2 @ 6 1/2
Good to choice oxen and stags	7 1/2 @ 7 3/4
Common to fair oxen and stags	6 1/2 @ 7
Fleshy Bologna bulls	5 1/2 @ 6

DRESSED CALVES

Veals, city dressed, prime	9 @ 10 1/2
Veals, good to choice	8 @ 8 1/2
Calves, country dressed, prime	9 @
Calves, country dressed, fair to good	8 @ 8 1/2
Calves, dressed, common to medium	6 @ 7

DRESSED HOGS

Pigs	@ 8 1/2
Hogs, heavy	@ 8 1/2
Hogs, 180 lbs.	@ 8 1/2
Hogs, 160 lbs.	8 1/2 @ 8 3/4
Hogs, 140 lbs.	8 1/2 @ 8 1/2

DRESSED SHEEP AND LAMBS

Spring lambs, choice	13 @ 14
Spring lambs, fair to good	11 @ 12 1/2
Spring lambs, poor	8 @ 10

DRESSED POULTRY

Spring chickens, Phila., mixed sizes	20 @ 24
Spring chickens, Penn., fair to good	20 @ 23
Spring chickens, western, dry-picked, large	19 @ 20
Spring chickens, western, scalded, large	18 @ 19
Sp. chickens, small, dry-picked, or scalded	16 @ 17
Fowls, w'n, dry-picked, fancy, small	@ 10 1/2
Fowls, w'n, scalded, fancy, small	@ 10 1/2
Fowls, western, heavy	@ 10
Fowls, southwestern, dry-picked, small	@ 10 1/2
Fowls, western, p'r to good	7 @ 10
Old cocks, per lb.	@ 6
Ducks, spring, L. I. & other near-by	@ 12
Ducks, spring, western, per lb.	7 @ 9
Grease, spring, eastern, per lb.	@ 20
Squabs, choice, large, white, per doz.	2.25 @
Squabs, mixed, per dozen	1.75 @
Squabs, dark, per dozen	1.25 @ 1.50

PROVISIONS

(Jobbing Trade)

Smoked hams, 10 lbs. average	12 @ 12 1/2
Smoked hams, 12 to 14 lbs. average	12 @ 12 1/2
Smoked hams, heavy	11 1/2 @ 12
California hams, smoked, light	8 1/2 @ 9
California hams, smoked, heavy	8 1/2 @ 9
Smoked bacon, boneless	13 @ 13 1/2
Smoked bacon (rib in)	12 1/2 @ 13
Dried beef, salt	@ 16
Smoked beef tongues, per lb.	16 @ 17
Smoked shoulders	8 1/2 @ 9
Pickled bellies, light	10 1/2 @ 11
Pickled bellies, heavy	10 @ 10 1/2
Fresh pork loins, Western	9 1/2 @ 10 1/2
Fresh pork loins, city	10 1/2 @ 11

FISH

Cod, heads off, steak	7 @ 8
Cod, heads on, market	3 1/2 @ 4
Hallbut, white	12 1/2 @ 13
Hallbut, gray	@ 8
Bluefish, live	7 1/2 @ 8
Eels, skin on	3 @ 4
Eels, skinned	6 @ 10
Lobsters, large	18 @ 20
Lobsters, medium	12 @ 14
Mackerel, Spanish, small	@ 8
Haddock	@ 6
Flounders	4 @ 5
Striped bass, large	18 @ 20
Striped bass, medium	12 1/2 @ 15
Par. Bass	@ 10
Porgees	3 @ 4
N. Native sea bass	6 @ 8
Flukes	3 @ 4
Soft crabs, large	@ 100
Butterfish	7 @ 8
Boneto	4 @ 5
Live salmon, Eastern, good to choice	12 1/2 @ 15
Weakfish	3 @ 4

BUTTER

Creamery extras, per lb.	@ 19 1/2
Creamery, firsts	18 @ 19
Creamery, seconds	17 @ 17 1/2
Creamery, thirds	15 @ 16
State dairy, tubs, fancy	18 @ 18 1/2
State dairy, tubs, firsts	17 @ 17 1/2
State dairy, tubs, seconds	16 @ 16 1/2
State dairy, tubs, thirds	14 @ 15
Western imitation cream, fancy	16 @ 17
Western imitation cream, firsts	15 @ 15 1/2
Western imitation cream, low grades	14 @ 14 1/2
Western factory, fancy	14 1/2 @ 14 3/4
Western factory, fair to good	14 @ 14 1/2
Western factory lower grades	13 @ 13 1/2
Renovated butter, fancy	16 1/2 @ 17
Renovated butter, common to choice	13 1/2 @ 16
Packing stock	13 @ 14

BUTTERINE

F. O. B. New York.	
U. S. STAR, 30 lbs. and over, in tubs 10c.	
BUTTERNUT, 30 lbs. and over, in tubs 13c.	
All packages less than 30 lbs., 1-2c. per lb. additional.	

CHEESE

State, f. c., small, white, prime	@ 9 1/2
State, f. c., small, colored, prime	9 1/2 @ 9 1/2
State, f. c., small, fair to prime	8 1/2 @ 9
State, f. c., small, common to fair	7 @ 8
State, f. c., large, colored, prime	@ 8 1/2
State, f. c., large, colored, good to choice	8 1/2 @ 8 1/2
State, f. c., large, colored, fancy	8 1/2 @ 8 1/2
State, f. c., large, colored, good to choice	8 1/2 @ 8 1/2
State, full team, common to fair	7 @ 8
State, light skins, small choice	7 1/2 @ 8
State, light skins, large, choice	7 1/2 @ 7 1/2
State, part skins, prime	6 1/2 @ 6
State, part skins, fair to good	4 1/2 @ 5
State, part skins, common	3 @ 4
Full skins	2 @ 2 1/2

EGGS

State and Penna fresh gathered average best	15 @ 15 1/2
Western, n'thly sections, reg. pack's, firsts	@ 15

QUOTATIONS AT MARK.

State and Penna, prime	14 @ 15
Western, northern sections, candied, select	@ 15
tions, special market choice to fancy	14 @ 15
W'n, n'thly sections, reg. pack's, firsts	11 1/2 @ 12 1/2
W'n, n'thly sections, reg. pack's, average	8 1/2 @ 11
Western, southern sections regular packing	8 1/2 @ 10
Western, inferior, reg. pack's	\$1.00 @ 12.40
Western, candied dirties	8 @ 9
Western, uncandied dirties	6 @ 7 1/2
Western, fresh gathered, checks	6 @ 7

CHEMICALS AND SOAPMAKERS' SUPPLIES

74% Caustic Soda, 2 cts. for 60%	
70% Caustic Soda, 2 1/4 for 60%	
60% Caustic Soda, 2.25 per 100 lbs.	
98% Powdered Caustic Soda, 3 1/2 to 3 3/4 cts. lb.	
58% Pure Alkali, 90 cts. to \$1.00 for 48%	
48% Carbonate Soda Ash, 1 to 1 1/2 cts. lb.	
48% Caustic Soda Ash, \$1.80 per 100 lb.	
Borax, 8c per lb.	
Talc, 1 1/2 to 1 3/4c per lb.	
Palm Oil, 5 1/2 to 5 3/4c per lb.	
Yellow Olive Oil, 6 1/2c gallon.	
Green Olive Oil, 6 1/2c gallon.	
Green Olive Oil Foots, 5 1/2c per lb.	
Cochin Coconut Oil, 6 1/2 to 7c per lb.	
Ceylon Coconut Oil, 5 1/2 to 6c per lb.	
Cottonseed Oil, 38 to 40c per gallon.	
Rosin: M. 82.75; N. 83.15; W. G. 83.30; W. W. 83.50 per cwt.	
280 lbs.	

BUTCHERS' SUNDRIES

Fresh beef tongue	50c to 60c a piece
Calves' head, scalded	35c to 45c a piece
Sweet breads, veal	25c to 35c a pair
Sweet breads, beef	15c to 25c a pair
Calves' liver	85c to 45c a piece
Beef kidneys	10c to 12c a piece
Mutton kidneys	3c a piece
Livers, beef	50c to 65c a piece
Outails	8c to 10c a piece
Hearts, beef	15c to 20c a piece
Rolls, beef	12c to 14c a lb.
Tenderloins, beef	25c to 28c a lb.
Lamb's fries	8c to 10c a pair

BUTCHERS' FAT

Ordinary shop fat	2
Suet, fresh and heavy	4 1/2
Shop bones, per cwt.	30

BONES, HOOFS, HAIR AND HORNS

Round shin bones, av. 50-60 lbs. cut, per 100 bones,	\$55.00
per 2,000 lbs.	
Flat shin bones, av. 40-45 lbs. cut, per 100 bones,	40.00
per 2,000 lbs.	
Thigh bones, av. 90-95 lbs. cut, per 100 bones,	75.00
per 2,000 lbs.	
Horns	25.00
Horns, 7 1/2 oz. and over, steers, first quality	\$2.50 @ 2.00

GREEN CALFSKINS

No. 1 calfskins	per lb. .15
No. 1 calfskins, buttermilk	.13
No. 1 calfskins, 12-14	each 1.00
No. 2 calfskins	per lb. .13
No. 2 calfskins, buttermilk	.11
No. 2 calfskins, 12-14 lbs.	piece 1.40
No. 1 grassers, 12-14 lbs.	per lb. .13
No. 1 grassers, 12-14 lbs.	piece 1.40
No. 2 grassers	per lb. .11
No. 2 grassers, 12-14 lbs.	piece 1.20
No. 1 heavy kips, 18 lbs. and up	piece 2.00
Ticky kips, 18 lbs. and up	piece 1.75
No. 1 heavy kips, 18 lbs. and up	piece 1.30
No. 1 kips, 14-18 lbs.	piece 1.40
No. 2 kips, 14-18 lbs.	piece 1.60
No. 1 grass kips	piece 1.35
No. 2 grass kips	piece 1.10
Ticky kips	piece 1.25
Branded heavy kips	piece 1.00
Branded kips	piece 1.00
Branded skins	piece .50

PICKLED SHEEPSKINS

XXX sheep, per dozen	@ \$5.75
XX sheep, per dozen	@ 4.75
X sheep, per dozen	@ 3.75
Blind Ribby sheep	\$3.50 @ 3.75
Sheep, ribby	2.75 @ 3.00
XX lambs, per dozen	4.50 @ 4.80
X lambs, per dozen	@ 3.50
No. 1 lambs, per dozen	@ 2.75
No. 2 lambs, per dozen	@ 1.75
Culls, lambs	60 @ 75

SAUSAGE CASINGS.

Sheep, imp., wide, per bundle	70
Sheep, imp., wide, per keg, 50 bundles	\$35.00
Sheep, imp., medium, per bundle	50
Sheep, imp., per bundle, medium	46
Sheep, imp., per bundle, narrow	34
Sheep, imp., Russian Rings	12 @ 20
Hog, American, in tcs. or bbls., per lb. F.O.B.	38
Hog, American, 1/2 bbls., per lb.	40
Hog, American, kegs, per lb.	40
Beef, rounds, per set, f. o. b. N. Y.	6
Beef, rounds, per set, f. o. b. Chicago	6
Beef, rounds, per set, f. o. b. N. Y.	2 @ 3
Beef, bungs, piece, f. o. b. N. Y.	12
Beef, bungs, per lb.	6
Beef, middles, per set, f. o. b. Chicago	48
Beef, middles, per set, f. o. b. N. Y.	50
Beef, middles, per lb.	8 @ 10
Beef weasands, per 1,000, No. 1's	5 1/2 @ 6
Beef weasands, per 1,000, No. 2's	3 @ 4 1/2

SPICES

Whole.	Ground.
Pepper, Sing., black	13 1/2 @ 14 1/2
Pepper, Sing., white	20 1/2 @ 21 1/2
Pepper, Penang, white	18 1/2 @ 19
Pepper, red, Zanzibar	14 @ 18
Pepper, shot	15 @
Allspice	7 @
Coriander	5 @ 7
Mace	42 @ 45

SALTPETRE

Crude.....	3½ @ 3¼
Refined—Granulated.....	4¼ @ 4½
Crystals.....	4¼ @ 5
Powdered.....	4¼ @ 5

THE GLUE MARKET

A extra.....	21
1 extra.....	17
1.....	16
1X moulding.....	15
1X.....	14½
1½.....	14
1½.....	13
1½.....	12
1½.....	11
1½.....	10
1½.....	9
1½.....	8

THE FERTILIZER MARKET

BASIS NEW YORK DELIVERY.

Bone meal, steamed, per ton.....	\$18.50	a 19.00
Bone meal, raw, per ton.....	22.00	a 23.50
Nitrate of soda, spot.....	1.82½	a 1.87½
Bone black, spent, per ton.....	13.50	a 13.75
Dried blood, New York, 12-13		
per cent. ammonia.....	2.30	a 2.35
Dried blood, West, high grade,		
fine ground.....	2.30	a 2.35
Tankage, 9 and 20 p. c., f. o. b.,		
Chicago.....	19.00	a 19.50
Tankage, 8 and 20 p. c., f. o. b.,		
Chicago.....	15.00	a 16.50
Tankage, 7 and 30 p. c., f. o. b.,		
Chicago.....	14.50	a 15.00
Tankage, 6 and 35 p. c., f. o. b.,		
Chicago.....	13.50	a 14.00
Garbage Tankage, f. o. b., New		
York.....	7.00	a 7.50
Fish scrap, dried, 11 p. c. am-		
monia, per ton.....	24.00	a 25.00
Wet, acidulated, 6 p. c. ammonia,		
per ton.....	13.00	a 13.50
Azotine, per unit, del. N. York.....	2.35	a 2.40
Sulphate ammonia gas, for		
shipment, per 100 lbs.....	2.70	a 2.75
Sulphate ammonia, gas, per 100		
lbs., spot.....	a 2.75	
Sulphate ammonia bone, per		
100 lbs.....	2.65	a 2.70
South Carolina phosphate rock,		
ground, per 2,000 lbs., f. o. b.,		
Charleston.....	6.50	a 7.75
South Carolina phosphate rock,		
undried, f. o. b., Ashley River,		
per 2,400 lbs.....	3.90	a 4.00
The same, dried.....	4.25	a 4.50

POTASHES, ACCORDING TO QUANTITY.

Kainit, shipment, per 2,240 lbs.....	8.95	a 9.50
Kainit, ex-store, in bulk.....	9.00	a 10.05
Kieserit, future shipments.....	7.00	a 7.25
Muriate potash, 80 p. c., future		
shipment.....	1.83	a 1.90
Muriate potash, 80 per cent., ex-		
store.....	1.88	a 1.95
Double manure salt (48 a 40		
per cent. less than 2½ per		
cent. chloride), to arrive, per		
lb. (basis 48 per cent.).....	1.06	a 1.12
Sulphate potash, to arrive (basis		
90 per cent.).....	2.05½	a 2.10½
Sylvinit, 24 a 36 per cent. per		
unit, S. P.....	30	a 40

LARDS

Pure r'd lard for Europe.....	9.00
Pure r'd lard for So. America.....	9.60@9.65
Pure r'd lard for Brazil, kegs.....	10.70@10.75
Compounds, domestic.....	6.87½@7.00
Prime city.....	8.25@8.50

HOG MARKET IN LEADING CITIES.

CHICAGO.—Active; 5.80@6.30.
ST. LOUIS.—Firm; 5.85@6.30.
OMAHA.—Firm; 5.85@6.00.
EAST BUFFALO.—15 cars on sale; 6.40@
6.45.
CLEVELAND.—Steady; 6.20@6.30.
INDIANAPOLIS.—Active; 5.95@6.15
CINCINNATI.—Strong; 5.30@6.17½.

OCEAN FREIGHT

	Liverpool.	Glasgow.	Hamburg.
	Per Ton.	Per Ton.	Per Ton.
Canned meats.....	6/3	15/	16
Oil cake.....	5/0	7/	13
Bacon.....	6/3	15/	16
Lard, tierces.....	6/3	15/	16
Cheese.....	15/	30/	2 M
Butter.....	30/	30/	2 M
Tallow.....	6/3	15/	16
Beef, per tierce.....	1/3	3/	16
Pork, per bbl.....	2/	2/	16

Direct port United Kingdom or Continent, large steamers, berth terms, @2/0½. Cork for orders, July, @2/0.

BALTIMORE FERTILIZER MARKET

(Special Letter to the National Provisioner from T. H. White & Co.)

Market for ammoniates the past week had been fairly active; the demand in the east continues good. Prices are firm at last quotations.

OLEO AND NEUTRAL LARD

Both this week and last week make a new record in the Rotterdam market, the business in oleo oil in the entire fortnight being almost nothing. Butterine business in Europe is carried on at present at a loss, and the butterine manufacturers, hence, not anxious to lay in supplies of either oleo oil or neutral lard at the prices asked at present.

The stocks of oleo oil are accumulating in Europe, and it is rather doubtful what the future will have in store; the business at present, both in neutral lard and oleo oil, being next to nothing and smaller than has been known in any fortnight during the history of this business.

LIVERPOOL MARKETS

Liverpool, July 12—Closing.—Beef firm; extra India mess, 68s. 9d. Pork firm; prime mess western, 67s. Lard firm; prime western in tierces, 43s. 6d.; American refined in pails, 43s. 6d. Hams—Short cut, 14 to 16 lbs., firm, 50s. Bacon firm; Cumberland cut, 26 to 30 lbs., 44s.; short ribs, 16 to 24 lbs., 50s.; long clear middles light, 28 to 34 lbs., 46s. 6d.; long clear middles heavy, 35 to 40 lbs., 45s.; short clear backs, 16 to 20 lbs., 44s.; clear bellies, 14 to 16 lbs., 50s. Shoulders—Square, 11 to 13 lbs., firm, 38s. 3d. Butter firm; finest United States, 90s.; good United States, 73s. Cheese firm; American finest white, 45s.; American finest colored, 46s. Tallow firm; prime city, 25s. 6d.; Australian in London, 27s. Cottonseed oil—Hull refined; spot steady, 23s. 6d. Turpentine—Spirits steady, 27s. 6d. Rosin—Common dull, 4s. 1½d. Petroleum—Refined steady, 6¼d. Linseed oil steady, 34s.

LIVE STOCK CONDITIONS

(Continued from page 18)

The movement from the range to market will commence earlier than usual on both cattle and sheep and a heavy run of sheep and an average run of cattle are expected.

Cattlemen expect to market a larger per cent. of their cattle as beef than usual, owing to the good feed that has prevailed in nearly all sections. Owing to the general favorable conditions of the beef market, range prices are holding steady and cattlemen are looking for steady prices in the fall at about an average with last year.

The strong demand on the Pacific coast for all kinds of stock has diverted many cattle in that direction that usually come east. The movement in this direction will continue this fall and is caused by the increased home and Asiatic demand for meats. This is particularly true of Nevada, Utah, Idaho, Arizona and western Wyoming. Quite a number of Montana cattle, mostly fat stuff, have also gone west instead of east, to market, and more will go in the fall. The movement of horses is unusually large owing to the

generally remunerative prices prevailing in the east, and the ranges are being cleaned up of many bands which only a few years ago were considered worthless and a nuisance.

The situation in the corn states of the Mississippi and Missouri valleys is too uncertain at this time to enable a prediction as to the feeder demand in the fall. According to reports received at this office, the number of cattle on summer feed is very much lighter than usual and the markets will be compelled to depend to a certain extent upon grass cattle. There is an unusual number of cattle on pasture in Kansas and Nebraska and grass conditions are reported to be very good in most sections, although the late warm wave has threatened the situation somewhat.

A feature of the western range situation has been the large demand for pure bred and high grade bulls and rams. This demand seems to be satisfactorily increasing, and as the western range man usually desires this class of animals in carload lots and prefers them already acclimated, it may be said that the demand is coming principally from ranchmen who are putting in pure bred herds for the purpose of breeding the stock needed on the ranch. This accounts for the unusual demand for female stock. The western range breeder realizes thoroughly now that he must breed a first-class grade of beef cattle and mutton in order to compete with the small ranchman, and plans are being made to accommodate this demand on a liberal scale.

The outlook for the live stock business on the whole is good. While much depends upon the growing crops of corn and hay, stockmen are not looking for any advance in stockers and feeders, but they do anticipate a steady market at about last year's figures. Should the corn crop be unusually large these prices will be much firmer, but should it fall short they will expect to take something off the present prices.

C. F. MARTIN,
Secretary.

Directory and Handbook

OF THE

MEAT AND PROVISION INDUSTRIES

...OF THE UNITED STATES AND CANADA...

7000 NAMES & 440 PAGES

Half tone paper, illustrated, well bound in cloth.

SECURE A COPY & PRICE, \$10.00

PART I.

7000 Names of Pork and Beef Packers.
Wholesale Butchers and Slaughterers.
Wholesale Dealers in Meats.
Wholesale Provision Dealers.
Lard Renderers and Refiners.
Oleomargarine and Butterine Manufacturers.
Tallow Renderers and Dealers.
Provision Brokers and Commission Merchants.
Cottonseed Oil Manufacturers and Refiners.
Sausage Manufacturers.
Fertilizer Manufacturers and Dealers.
Soap and Candle Makers.

PART II.

I.—Illustrated Articles showing all cuts of meats for domestic and export markets. The latest methods of killing, chilling, curing and making brines. Tests, tables, export weights, boxed meats, tank, lard, sausage departments.

II.—Receipts for Sausage Makers.

III.—Cottonseed Oil Manufacture and Appliances.

Latest Machinery and its Use.

IV.—Historical and Statistical Survey of the Trade.

THE NATIONAL PROVISIONER

150 Nassau Street, New York

38 YEARS ESTABLISHED.

TELEPHONE 868 JOHN.

LYNCH & CO.,

WHOLESALE FRESH AND SALT WATER

**ATTENTIVE
SALESMEN****FISH****FULL
ASSORTMENT****18 FULTON FISH MARKET.**Ask for Compass Calendar Showing 15 Fish in
Natural Colors and Fast Days.**NEW YORK.**

ALEX J. MCCREA, President.

JAS. B. MCCREA, Vice-President.

HENRY GROENRATH, Sec'y and Treas.

The Ohio Provision Co.**Pork Packers and Slaughterers
BEEF, MUTTON AND VEAL.**

OFFICE AND PACKINGHOUSE:

Clark Ave. and "Big Four" Railroad, Cleveland, O.**Seal Brand Hams, Breakfast Bacon,
Shoulders and Lard.**

W. GALLAHER

Telephone, 2897 Harrison

J. B. SPECK

**GALLAHER & SPECK, Manufacturers and Repairers of
All Kinds of MACHINERY**

295-297 FIFTH AVENUE, CHICAGO

Elevator, Pump and Engine Work a specialty. Shafting, Pulleys and Hangers furnished and put up
on short notice. Have a number of Pumps and Elevators for sale.Established
1882.**INTERNATIONAL BOILER COMPOUND CO.**Telephone
Main 2416.**Manufacturers of Solid, Liquid and Powdered Boiler Compound**Prevents Corrosions and Incrustations, Removes Scale, Preserves the Iron, Increases Capacity of Boiler, and Saves 15
to 60 per cent. in Fuel. Satisfaction Guaranteed. Trial Orders Solicited. Write for Prices.**MANUFACTURERS OF THE INTERNATIONAL COMPOUND FEEDER.
47 MARKET STREET, - - CHICAGO.**

REFER TO WAHL & HENIUS.

\$5**THE RED BOOK**

Send C. O. D. by Express one copy of your book

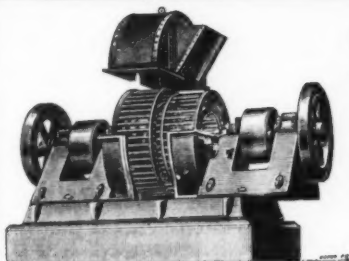
**A Practical Manual on Linseed Oil and
Varnish Manufacture**

AT THE PRICE OF FIVE DOLLARS PER COPY

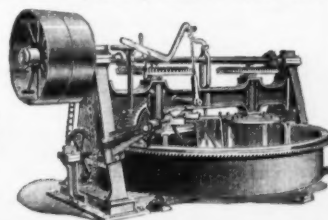
Name..... Address.....

\$5**The National Provisioner**

150 NASSAU STREET, NEW YORK

\$5**Stedman Foundry &
Machine Works**

AURORA, IND.

OUR MACHINERYis up-to-date, durable
and substantial in
construction & &
Several years of practical experience have enabled us to find out the wants
of the trade, and we are now prepared to offer the trade a complete line of
machinery for the manufacture of Fertilizers. Complete plants a specialty.**WE MAKE...****Disintegrators, Screens, Mixers,
Elevators, Double Mixers,
Crushing Rolls, Rock and
Bone Crushers,
Rock Pulverizers. & &****To Lard, Grease and
Tallow Renderers . .**Has your lard a clear white color?
Has your lard a proper flavor?
Has your lard a strong odor?
Are you obtaining the full yield from
your stock?Do you have trouble in settling, bleaching,
deodorizing or stiffening your grease, tallow
or lard?Are you getting from your stock the
highest grade you should?Are you getting dark colored grease or
tallow from good high grade stock?Do you want to obtain white grease from
dark stock?Are you getting all the grease, tallow or
lard from your tankage?

Does your fertilizer heat when piled?

* * *

The above are but a few of many problems
which daily confront the renderer.
Should you have difficulty in any of your
operations we will give practical suggestions
and advice, gained by many years of experience
in the large packinghouses in this
country.Practical advice by a practical worker
given on these and other subjects in all its
branches. Address**THE NATIONAL PROVISIONER**
(LABORATORY DEPARTMENT)Official Chemists of the New York Produce
Exchange.

150 Nassau St.,

New York City

THE DODE MECKS CO.

COMMISSION BUYERS OF

Cattle, Hogs, Sheep & CalvesWe Solicit
Your ordersLIVE STOCK EXCHANGE,
East Buffalo, N. Y.**G. H. MUMM & Co.
EXTRA DRY.**As shown by Customs statistics, the imports
in 1900 of G. H. Mumm's Extra Dry
reached the enormous figure of 119,441
cases, being 79,293 cases more than of any
other brand—a record unprecedented in the
history of champagne. Special attention is
called to the remarkably fine quality now
being imported.

KINGAN & CO., LTD.,

**PORK and BEEF
PACKERS,**

INDIANAPOLIS, . . . IND.

BRANCHES:

RICHMOND, VA.,
NEW YORK, Manhattan Market.
PHILADELPHIA, PA., 737-741 Cowhill St.
BALTIMORE, MD., 355 North St.
MEMPHIS, TENN. SYRACUSE, N. Y.
SAN FRANCISCO, CAL.

W. E. GARRIGUES,

CHEMICAL ENGINEER,
1123 Broadway, New York.

Improved Machinery for
Rendering Offal and Garbage;
Evaporating Tank Water;
Extracting Grease from Tankage;
Bleaching Tallow and Grease.

WRITE FOR DESCRIPTIONS.

A Five Dollar Safe

AT THE
PRODUCE EXCHANGE VAULTS,
NEW YORK CITY

Will hold a large number of Deeds, Mortgages,
Insurance Policies, Bonds Stocks and
other valuable papers.

INSPECTION INVITED.

W. Wilson Tickle,

Commission Merchant,

166 and 167 Palmerston Buildings,
LONDON, E. C.

Proprietor of
THE AUSTRALIAN TRADING WORLD

Will undertake any Commissions for the purchase of English goods.

Samples of Cutlery, etc., furnished by parcel post on receipt of remittance to cover cost.

Orders must be accompanied with cash or its equivalent.

Perforated Metals

Aitchison makes
over 600 varieties.

FILTER PRESS PLATES

A Specialty.

THE ROBERT AITCHISON PERFORATED
METAL CO.,

Room 905, 303 Dearborn St.,
CHICAGO, ILL.

ESTABLISHED 1868

S. OPPENHEIMER & Co.,

47 St. John Street, London, Eng.
26 Bergstrasse, Hamburg, Germany.
Wellington, N. Z.

Headquarters for

**Sausage Casings and
Butchers' Supplies.**

**447-449 Wabash Ave., Chicago
96, 98 and 100 Pearl St., N. Y.**

JOSEPH BACHARACH

ESTABLISHED 1876.

IMPORTER AND EXPORTER OF ALL KINDS OF

SAUSAGES

347 GREENWICH STREET,

NEW YORK, U. S. A.

Telephone, 586 Franklin.

Illinois Casing Company

Cleaners and Importers of

Sausage Casings,

102 Michigan Street,

Chicago.

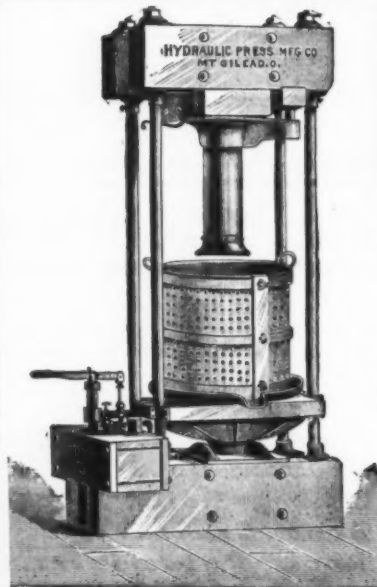
Telephone No. 1251 Broad...

BECHSTEIN & CO. SAUSAGE CASINGS,

New York: 50 Water Street,

Chicago: 112-114 Michigan Street.

London: 118 Great Suffolk Street.



HYDRAULIC SCRAP OR GREASE Presses

With Slat or Plate Curb Cast Head
and Base or Steel or Wood Beams and
Sills. Three sizes, Hand or Power.

Fully Guaranteed.

**TANKAGE AND
FERTILIZER PRESSES**

Send for Catalogue.

THE HYDRAULIC PRESS MFG. CO.

124 Main St., Mt. Gilead, O.

Eastern Office, 39 Cortlandt Street, New York City.
Western Office, 41 West Randolph Street, Chicago, Ill.

JEFFREY ELEVATING CONVEYING MACHINERY



For
Tanneries,
Mills,
Factories,
Power
Houses,
etc.
Send for
Catalogue
No. 56.

MATERIAL HANDLED ECONOMICALLY
EITHER IN BULK OR PACKAGE.
Address
THE JEFFREY MFG. CO., COLUMBUS, OHIO.
NEW YORK. CHICAGO. DENVER.

M. ZIMMERMANN,

Manufacturer and Dealer in all Kinds of

KOSHER PROVISIONS

LARGEST PLACE OF ITS
KIND IN THIS CITY.

318-320 E. Houston Street, New York.

John P. Squire & Co.'s

Our Kettle Rendered Leaf
Lard cannot be excelled.

HAMS and BACON

39 and 40 North Market St., Boston, Mass.

Their process of preparing and curing gives
that delicate flavor and beautiful color for
which they are noted, and adapts them to
any climate or season of the year.

ARE THE FINEST IN THE WORLD

LEVIATHAN BELTING



quickly demonstrates its value when used in
PACKINGHOUSES and COTTONSEED OIL MILLS

It will withstand longer subjection to unfavorable
conditions than will any other belt. Water, heat
or steam have no injurious effects upon it. Oil
and grease improve it.

CUT YOUR BELTING ACCOUNT IN HALF
by using Leviathan. Give it a trial. We assume
the risk if you deem there is any.

MAIN BELTING COMPANY,

1219-41 Carpenter St., PHILADELPHIA.
55-57 Market Street, CHICAGO.

120 Pearl Street, BOSTON
40 Pearl Street, BUFFALO

Send for price-lists and sample.

TINNOL,

No Discoloring of Labels. No Rust Spots on Tin.
No Peeling off.

Write for Samples and Prices to

THE ARABOL MANUFACTURING CO.,

155 William Street, NEW YORK CITY.

A Paste that Sticks.

HOTEL BROEDEL

FIREPROOF

Rates, \$3.00 Per Day and Upwards.

American Plan.

One Block from Principal R. R. Stations.

JOHN E. BOLDT, BUFFALO, N. Y.



Bogardus Universal Eccentric Mill

The best mill in the world for grinding Fertilizers, Berries,
Salt, etc. Now in use in hundreds of Provision houses
throughout the world. Let us tell you more
about it. Write us for our catalogue—free for the asking.

Manufactured Solely by

J. S. & G. F. SIMPSON

26-36 Rodney St., Brooklyn, N. Y.

PRESERVATIVE.

IN USE SINCE 1877



PRINCIPAL BRANDS FOR

PACKERS, BUTCHERS & SAUSAGE MAKERS.

SEND FOR DESCRIPTIVE CIRCULAR

C: FOR CURING AND CORNING.

B: FOR BOLOGNAS, FRANKFURTERS, ETC.

A: FOR FRESH MEATS, PORK SAUSAGE, POULTRY.



AB EXTRA: FOR SUMMER & SMOKED SAUSAGE.

XXX: FOR CHOPPED MEATS, CUTS ETC.

TRIPE: KEEPS FRESH AND PICKLED TRIPE.

INVENTORS AND SOLE MANUFACTURERS

THE PRESERVATIVE MANUFACTURING COMPANY.

NEW YORK.
41-43 WARREN ST.

CHICAGO.
183 ILLINOIS ST.

SAN FRANCISCO,
779 MISSION ST.

FRAUD!

Unscrupulous Dealers have counterfeited
the packages of our old and reliable brand
of Potato Flour.



GERMANY

The Fact that the Package is more easily
counterfeited than the goods themselves
has revealed this fraud.

NOTICE!

The Original Package
is a RED-STRIPE bag —
SEALED with proprietary
lead seal at factory and
bearing the brand in black
letters as follows:



Any part of this Brand missing is Proof
Positive the Contents are open
to suspicion.

Norddeutsche Kartoffelmehl-Fabrik
Mit Beschraenkter Haftung.

Subscribe for The National Provisioner.

Directory of Representative Manufacturers and

JAMES WESTON

WESTON & LEVY,

SOL LEVY

WHOLESALE DEALERS IN

City Dressed Refrigerator Beef,

44th STREET AND EAST RIVER.

Beef of all kinds constantly on hand in the cooler at the lowest market prices.

Telephone Call, 193-38th St.

Telephone Call, 1062 Harlem.

FISCHER & CO.,

Successors to John Graf,

No. 2325 Second Avenue, N. Y. City.

HOME MADE BOLOGNAS

always on hand, fresh every day, except Braunschweiger Leberwurst and Bauern Bloodwurst. We handle the Finest Boiled Ham in the city.

Long Distance 'Phone, Grant, 1079.

Illustrated Catalogue upon request.

BERNARD GLOEKLER,

MANUFACTURER OF

Butchers' Tools, Machinery, Refrigerators, Fixtures and General Supplies. SLAUGHTERHOUSE EQUIPMENTS.

1129 to 1133 Penn Avenue, PITTSBURG, PA.

Telephone, No. 369—39th Street.

JOHN SHEA

Wholesale Butcher

MUTTON, LAMB, AND VEAL.

644, 646 and 648 W. 39th St.

West Side Abattoir.

L. V. THURSTON & CO.,

Established 1845.

Wholesale Butchers of Fancy Jersey Veal, Western and Nearby Poultry, Calves, Pigs and Eggs, Game, etc. Received on Commission.

Consignments Solicited. A Trial Shipment and Correspondence Invited.

Salesroom: West Washington Market. 38 to 48 Lawton Avenue, New York.

SLAUGHTERHOUSE: 14th STREET and PROVOST STREET, JERSEY CITY, N. J. Telephone 333 18th.

M. APPEL & CO.,

206 Washington Street,

Cor. Vesey St., NEW YORK.

Dealers in Sweetbreads, Calves' Livers, Fillets of Beef, Roasting Pigs, Lamb Fries, Fresh and Corned Beef, Tongues, and all meat specialties of the finest quality.

J. SENDER,

IMPORTER AND CLEANER OF

SAUSAGE CASINGS

ALSO DEALER IN

Spices and Butcher Supplies

258 Pearl Street, near Fulton, N. Y.

Cable Address, "Aethra, New York."

C. H. SAGEMANN,

Successor to Otto Bartels,

WHOLESALE DEALER IN

PROVISIONS, FISH AND SALT,

Lard and All Kinds of Canned Meats.

7 Wallabout Market, BROOKLYN, N. Y.

Cheese and Delicacy Department,

62 Washington Avenue

Established 1875. Tel. 3066 Cortlandt

N. H. SNYDER,

DEALER AND SHIPPER

231 Fulton St. (West), New York

Young Pork, Sausages, Bacon, Hams, etc., Sweetbreads, Suckling Pigs and Meat Specialties. Hotels and Restaurants supplied.

CONRON BROS.,

Wholesale Dealers in Poultry, Game and Specialties.

Freezers, Cold Storage and Salesroom:

189-191 Fort Greene Place, BROOKLYN, N. Y.

ALBERT WEICK.

P. WEICK'S SONS,

Wagon and Truck Builders

405 West 36th Street,

Bet. 9th and 10th Aves., NEW YORK.

Repairing neatly done at the shortest notice. Second-hand Top Wagons for sale.

JOS. WEIL

is still at the S. W. Corner of 86th Street and 2nd Avenue, New York, and does the same high-class work in Frocks, Butcher Aprons, Cardigan Jackets and Caps, for which he is so well known.

ESTABLISHED SINCE 1886

Jack Gillen,

Heavy and Light Trucking at Reasonable Rates.

HEADQUARTERS:

GRACE AVENUE AND WEST STREET, NEW YORK.

THE POPULAR AND RELIABLE

Expressman,

BRANCH OFFICES:

132d St. and 12th Ave., New York. Vesey and West Sts., New York. Fort Greene Pl., Brooklyn, N. Y.

Kornblum & Feinberg,

65 Rivington Street, New York.

DEALERS IN

Choice Cuts of Beef

Briskets, Shoulders and Crossribs of best quality for sale. Buy and sell Briskets, plates, navels and chucks.

C. H. REED'S SONS

Wholesale and Retail

Provision Dealers

185 and 187 FIRST AVE.,

Between 11th and 12th Streets, NEW YORK.

Telephone, 1873—18th St.

JOHN GROSSMAN,

Special Beef Delivery

606 to 622 West 131st Street,

NEW YORK

Teams ready at a moment's notice. Expressing for the trade. Heavy and Light Trucking.

Telephone No. 89 Harlem.

HARRY STEARNS, Gen. Mgr.

COHEN & GOLDSTEIN,

101-103 Rivington St., New York.

Dealers in Choice Cuts of Beef

Crossribs, Shoulders and Briskets of Finest Quality for Sale.

Briskets, Plates, Navels and Chucks

Bought and Sold.

Morris Weisbart & Co.

Wholesale Dealers in

VEAL, MUTTON AND LAMB

Cor. Henderson and Twentieth Sts.,

Jersey City.

Telephone Connections: Hudson

County, 116. Bell Telephone, 299.

TELEPHONE

WM. B. ALFORD

Paper and Paper Bags

and Twines

84 and 86 Reade Street,

Commercial Printing NEW YORK

ADVERTISE IN

The National Provisioner

YOU WILL GET RETURNS

"JUST A
LITTLE
BETTER."

ASK ANYONE

You know in the trade what they think of

"Beech-Nut" Beef and Bacon

BEECH-NUT PACKING CO.

CANAJOHARIE, N. Y.

in the glass. The answer will be, TRY IT. That's what we say—will do you good to sell it. Sells so often. Now's the time. Bulk goods if preferred.

"TO TRY IS
TO BUY."

Dealers in Butcher Fixtures and Supplies

JAMES McLEAN, Manufacturer of Ice Houses

For Butchers, Hotels, Saloons, Florists, Private Families, Etc.,

561 to 571 West 34th Street,

Cor. Eleventh Avenue,

NEW YORK.

Butchers' Fixtures of every description.

TELEPHONE CONNECTION.

E. KAUFMANN

THE ONLY RESPONSIBLE

EXPRESSMAN For the Trade.

ALWAYS READY—ALWAYS ON TIME.

Terms Reasonable.

Office, 17 Tenth Avenue, New York.

Tel. 3054—38th St. John Karst. Fr. Ernst Glocke.

KARST & GLOCKE.

Successors to the late Charles Miller.

MANUFACTURERS OF

BUTCHERS' FIXTURES, BOXES, TOOLS, ETC.

Fish and Oyster Markets Fitted Up.

505 West 45th St., New York.

Ice Houses made for Butchers, Saloons, Hotels, Restaurants and Florists.

E. MARSCHEIDER, BEST PLACE FOR

Butcher Fixtures, Ice Houses and Blocks.

763 First Avenue, Corner 43d Street, NEW YORK.

MRS. LEON DAVID, FRED. LESSER.

2193 THIRD AVENUE,

New York City.

Manufactures Butchers' Caps, guaranteed not to shrink. Makes good fitting Frocks and Aprons. References from leading New York Butchers. Call on or write her.

Telephone 1709—79th.

JOSEPH LEVY,

Dealer in

Fat, Suet, Calfskins & Bones

Prime Beef, Navels and Briskets

A SPECIALTY.

1213-1215 Second Av., cor. 64th St., N. Y.

Highest Prices Paid for Fat, Suet, Calfskins, BONES, ETC.

1686 Avenue A New York. Telephone, 2825-70th St.

JAMES H. O'BRIEN & CO., SCALE MAKERS

and Manufacturers of Over-Head Scales, Rollers, Tracks and Switches for Abattoirs, Refrigerators,

Packinghouses, and Handling all kinds of Merchandise.

Scales Repaired, Tested and Sealed to U. S. Standard.

Telephone, 1827 John.

Dealers in New and Second-hand Platform, Butcher's, Grocer's, Weighmaster's

Wagon and Coal Scales.

10 New Bowery and 404 Pearl Street, NEW YORK.

Telephone, 1577—79th St.

DUMRAUF & WIGKE,

Manufacturers of

Butchers' Fixtures, Ice Houses, Etc.

338-340 East 102d Street.

Near First Avenue, "Harlem Market."

Branch: 190 Manhattan Street,

"Riverside Market."

DREYFUS & CO.,

Manufacturers of and Dealers in

Herrings, Pickles, Sardines, Sauerkraut, Salad Oil, Mustard and Spices, Vinegar, Cotton Seed Products.

Office and Salesroom:

163 BOWERY.

Warehouse:

133 CHRISTIE STREET.

NEW YORK.

The Columbia Fixture Co.

M. GLASSBERG, Propr.,

Manufacturers of

Bar, Store, Office, Butchers' and

Druggists' Fixtures,

179 Delancey St., New York.

Alex. Leicht. Estab. 1860. Fred. Engler.

ALEX. LEICHT & CO.

Formerly B. K. PEBBLES,

Importers and Dealers in

Smoked, Salt and Preserved Fish.

Nova Scotia Salmon a Specialty.

79 & 81 Second St.,

Telephone 3667 Spring. NEW YORK.

Caleb Haley S. N. Haley

CALEB HALEY & CO.,

Wholesale Commission Dealers in and

Shippers of all kinds of

FRESH FISH,

Lobsters, Soft Crabs, Green

Turtle, Terrapin, Etc.

14 Fulton Fish Market, New York.

Telephone 654 John.

JOHN POWELL'S SON & CO.

Fulton Fish Market.

Wholesale Commission Dealers in and

Shippers of all kinds of

FRESH FISH,

No. 8 Fulton Fish Market,

ROBT. S. POWELL.

NEW YORK.

CASH

Registers

All kinds sold,

repaired,

exchanged.

BRAININ

124 E. 14th St.

Telephone Call

4033-10th St.

New York City



Chas. Harnischfeger's

Frankfurter Wurst-Geschäft

Alle Sorten Frankfurter, Leber-, Brot- und Fleischwurst, sowie gekochte Fleischwaren, etc., täglich frisch. Fuldaer Schwartenmagen und Hausmacher Leberwurst eine Spezialität. Alle Sorten frisches Schweinefleisch, etc.

1043 Second Avenue, Corner 55th Street, NEW YORK.

A. J. G. Warner. C. M. Prankard.

Telephones Call 959 John.

WARNER & PRANKARD,

Wholesale Commission Dealers and Shippers of

FRESH FISH,

108 South St. (Fulton Market), N. Y.

PURE COD LIVER OIL.

SAMUEL NAGLE

Omaha Packing Co., Samuel Nagle, Jersey City Agent.

Packinghouses: Chicago, South Omaha; Hutchinson, Kan.; St. Joseph, Mo.

Henderson and 3rd Sts., Jersey City, N. J.

J. FLESEY, Manager.

Branches: { W. Wash. Market, New York City; Henderson and 3rd Sts., Jersey City.

{ 20th and Henderson Sts., Jersey City; 69 Mulberry St., Newark, N. J.

John Bower & Co.

HONEY-CURE HAMS. BREAKFAST

BACON, BEEF TONGUES AND ALL PROVISIONS

S. W. Cor. 24th & BROWN STREETS

PHILADELPHIA, PA.

SAMUEL PLAUT, WHOLESALE BUTCHER,

335 East 46th Street, between First and Second Avenues, New York City.

SLAUGHTERHOUSE: 44th Street and East River.

BULL BEEF IS ONE OF MY SPECIALTIES.

Directory for Butchers' Fixtures and Supplies

[Continued from page 47.]

Established 1873
ISAAC GELLES
MANUFACTURER OF
KOSHER PROVISIONS,
37 Essex St. New York

THE AMERICAN
56 W. Twenty-Second St.
(Near 6th Avenue),
Restaurant and Cafe
NEW YORK

James Harrison
Boarding and Livery Stables
209 to 219 W. 38th St.
near 7th Ave. NEW YORK
Horses Boarded by the Day,
Week or Month

WESTPHALIAN CURED
HAMS, C. H. JOOSTEN,
IMPORTER.
85 DEY STREET, NEW YORK.

HENRY GADE
Paper
and **Twine**

349 Broome St., NEW YORK.
Telephone Call, 768 Spring
Vineta Paper Mills,
Sans Souci Twine Mills.
All kinds of PAPER AND TWINE used
by BUTCHERS at lowest prices.

Telephone Call, 520 Columbus.
J. B. Roberts & Bro.,
Manufacturers of
HIGH GRADE BUSINESS WAGONS.
Repairing and Painting.
Butcher Wagons & Trucks a Specialty.
Nos. 302, 304, 306 W. 53d St., New York.
Branch: 74 Sumpter St., Brooklyn.

H. SCHEIDEBERG,
(Established 1870.)
Manufacturer and Dealer in all kinds of
SAUSAGE CASINGS,
and direct Importer of
ENGLISH SHEEP CASINGS.
Best Sausage Casing of Every Description.
624 West 48th St., NEW YORK.

MANHATTAN SAUSAGE CO.
90 East Third St., New York,
Wholesale Makers of Bolognas
Sausages, Smoked and Pickled
Meat, Tongues, Etc.

RILEY & MUDGE
PROVISIONS
476 Bourse Bldg. Philadelphia, Pa.
TELEPHONES:
Philadelphia Bourse or Coml. Exchange.
Office Phone, 3042A.

HENRY LINDENMEYER & SONS
PAPER WAREHOUSE
32, 34 and 36 Bleecker St., New York
Branch Warehouse, 20 Beckman St.
ALL KINDS OF PAPER MADE TO ORDER
Vegetable Parchment and Wrapping Paper
for Butchers' use a specialty

SCHMITT BROS.
All kinds of **Cash Registers**
Bought, sold, exchanged and re-
paired; all repair work guaranteed.
173 & 175 Prince St., N. Y.
Supplies for all kinds of cash regis-
ters, paper, ink and ink pads.
Telephone Call, 1300 Spring. Regis-
ters sold at less than half their
Actual Cost.

LOUIS HEERING,
Amsterdam Boarding Stable,
133-135 Amsterdam Ave.,
Near 66th Street, NEW YORK.
Telephone, 510 Columbus.

GERMANY.
VICTOR v.d. OSTEN,
HAMBURG,
Commission Agent,
Neutral Lard, Tallow, Oleo, Provisions,
Cotton Oil.
Correspondence Solicited.
Liberal Advancements on Consignments

THE
NATIONAL PROVISIONER,
ANNUAL SUBSCRIPTION
ONLY \$3.00 FOR 52 WEEKLY
ISSUES.

Commission Merchants, Brokers and Exporters.

A DIRECTORY OF REPRESENTATIVE FIRMS.

ESTABLISHED 1858.
George F. von Kohnitz & Son
General Commission Merchants
FOR THE SALE OF
PROVISIONS AND PRODUCE
147 East Bay, and 16 State Street,
CHARLESTON, S. C.

WILLIAM OTTMANN & CO.
BUTCHERS, PACKERS
AND EXPORTERS.
Dealers in Provisions, Poultry and Game,
Fulton Market, New York.

ADLER & OBERNDORF
556-558 25th Street CHICAGO, ILL.
Tallow Melters
and Dealers in *Hides, Skins, Pelts,*
Crookings, Bones, etc.
CONSIGNMENTS SOLICITED

**THE H. A. GARDINER COM-
PANY, Phila., Pa.,** Distributing
Agents, with thorough knowledge of
Eastern market is prepared to system-
atize sales department, or contract for
exclusive selling rights of articles of
merit. Manufacturers, Foreign or Do-
mestic, and New York agents please
correspond.

THE T. H. WHEELER CO.,
LIVE STOCK AND DRESSED MEATS
Veal, Mutton, Lambs, Hogs, Game,
Smoked Meats and Provisions,
17 & 19 TENTH AVENUE,
W. Washington Mkt., New York.
References: Gansevoort Bank, New
York; The G. H. Hammond Co., Chi-
cago; Hyde, Wheeler Co., Boston.

VICTOR RELECOM,
ANTWERP.
PROVISIONS,
CORN OIL
COTTONSEED-OIL.
Correspondence Solicited. Highest
References.

RICHARD MARX,
ANTWERP, (BELGIUM.)
Broker in Cottonseed Oil,
Corn Oil, Tallow, Etc.
HIGHEST BANK REFERENCES.
Solicits Agencies of First-Class
American Exporters.

ADVERTISE IN
**THE NATIONAL
PROVISIONER**
You will get returns

MOCKRAUER & SIMONS HAMBURG 15.
BUYERS AND EXPORTERS OF **SAUSAGE CASINGS**

DIRECTORY OF REPRESENTATIVE

Cottonseed Crushers, Refiners and Brokers OF THE UNITED STATES.

R. W. BIGGS & CO.,
BROKERS IN
Cottonseed Oil,
Cake, Meal, Etc.
MEMPHIS, TENNESSEE

F. W. MAURY & CO.
BROKERS IN
COTTON OIL
Crude and Refined.
LOUISVILLE, & KENTUCKY.
Correspondence Invited.

JAMES M. ADAMS,
Exporter of
Cottonseed Products,
Tallow and Grease,
4 STONE STREET, NEW YORK.

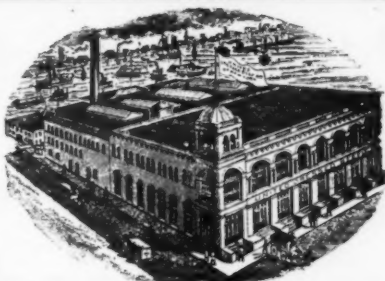
FRED. C. ADAMS
Cotton Seed & Lard Oils
Cotton Seed, Soap Stock
and Tallow. Linters a Specialty
OFFICE 504, 21 WABASH AVE.
Telephone, Main 2774 CHICAGO

THE
**United Dressed
Beef Company**

OF NEW YORK

PACKERS AND EXPORTERS OF
INDIA MESS AND ALL SALT BEEF43d and 44th Streets
First Avenue and East RiverTelephone, 3525 38th Street
Connecting all Departments

New York



**City Dressed
Beef**

MANUFACTURERS OF

**Beef Casings, Dried Blood, Fertiliz-
ers, Oleo Oils, Stearine, Prime
City Tallow, Ground Bone, Horns and
Cattle Switches. Selected Hides.**

ISAAC BLUMENTHAL, President

GEORGE STRAUSS, Vice-President

LEWIS SAMUELS, Treasurer

LEWIS A. LONDON, Secretary

COOKED MEATS
OUR SPECIALTY125, 127, 129 CHRISTOPHER ST.
502-504 HUDSON STREET
... NEW YORK CITY ...
TELEPHONE 2125 SPRING

J. S. BAILEY AND COMPANY

DELICATESSEN
TRADE SUPPLIED**BEEF AND PORK PACKERS
PHOENIX BRAND PROVISIONS**

..... SPECIAL ATTENTION GIVEN TO EXPORT ORDERS

H. WM. DOPP & SON, THE LEADING HOUSE

North Packing and Provision Co.

PACKERS AND JOBBERS OF PROVISIONS

Highest Awards, Diploma and Medal at the World's Fair for Pure Lard, Hams, Bacons, Bbl. Pork, Neutral Lard, Sausages

PURE LEAF LARD, 3, 5, 10-lb Pail, Tubs, Tierces. Try their North Star Brand for something extra choice. Sure to please

33 and 34 N. MARKET ST., BOSTON. 444, 446 and 448 PRODUCE EXCHANGE, NEW YORK CITY

Packinghouse: Somerville, Mass.

Harrisburg, Pa., Operated by Harrisburg Provision Co.

LIVERPOOL, ENGLAND.

Wichita, Kansas.

New York City.

BUFFALO, The Jacob Dold Packing Co. KANSAS CITY MO.

Curers and Jobbers of Provisions and Canned Meats

... AND ALL PACKINGHOUSE PRODUCTS ...

SPECIAL ATTENTION PAID TO FOREIGN TRADE

Westphalia Ham **White Rose Lard**

Save Fuel and Boilers



By putting your water in the boiler at boiling point with

THE OTIS

**TUBULAR FEED WATER HEATER AND
PURIFIER, WITH SEAMLESS BRASS TUBES****OUR STANDARD HEATERS ARE
GUARANTEED** to heat the feed water to the boiling

point (210°) or (212°) with the exhaust steam without causing any back pressure. Also to EXTRACT THE OIL from the exhaust, so that the exhaust steam, after being passed through the heater, can be used for other heating purposes and the water of condensation from the heating system be returned to the boilers FREE FROM OIL. We GUARANTEE THIS HEATER WILL NOT GET FOUL WITH SEDIMENT, but will continue to heat as hot after being in use years, as when new.

A LIBERAL OFFER:

Try us. If this heater fails to give satisfaction in every respect, we will pay freight both ways and all expenses.

PATENTED AND MANUFACTURED BY THE

Stewart Heater Co.,

25 Norfolk Avenue,

BUFFALO, N. Y.

Send for Catalogue.

Power Pumps for all purposes and any capacity.

**Short Line**

BETWEEN

**New York and Buffalo
New York and Chicago**

Via Buffalo

Modern Equipment**All Comforts****Fast Time**

BETWEEN

New York and St. Louis**New York and Kansas City****T. W. LEE,**Gen. Pass. Agt.,
26 Exchange Place,
NEW YORK CITY.

Schwarzschild & Sulzberger Co. ESTABLISHED 1850

ALL PACKINGHOUSE PRODUCTS

ABATTOIRS
NEW YORK
KANSAS CITY

GREATER NEW YORK BRANCHES

Empire City Beef Co., West and Horatio Sts.
Grace Avenue, Gansevoort Market.
209 Washington Street.
Tompkins Market, 3d Ave and 7th St.
132nd St. and 12th Ave.
176 Boerum Street, Brooklyn.
206 Market Avenue, Wallabout Market.
214 Market Avenue, Wallabout Market.
Fifth Avenue and Pacific St., Brooklyn.
Division Street, Jamaica, L. I.

PACKERS AND CURERS OF CHOICEST GRADES OF

Beef, Veal, Mutton and Pork

Small Stock Abattoir and Salesroom
404-412 East 45th Street

PULLED WOOL—BUYERS OF SHEEP AND LAMB PELTS

ALSO BRANCHES AND DEPOTS IN ALL THE PRINCIPAL CITIES OF THE UNITED STATES

LATEST Market Quotations

on Hides, Skins, Pelts, Tallow,
Grease, etc. Send for Free Sam-
ple Copy of CHICAGO DAILY
HIDE AND ALLOW BULLEIN

HIDE AND LEATHER PUB-
LISHING CO.,

154 Lake St., CHICAGO.

MEAT CURING MACHINE

INVALUABLE TO PACKERS, BUTCHERS AND MEAT
PRESERVERS GENERALLY.

It effectually prevents making sour or unsound meats. A large saving in curing materials is realized, the minimum quantity required for seasoning being all that is necessary for preserving. Reduces the time of curing one-third to one-half. It will accomplish TEN-FOLD more than any other device extant for a similar purpose. If 10 to 50 hogs a day be cut, it will save its cost (\$200) every week it is used. It is simple, mechanical, substantial, durable. Send to us for our book telling all about it. Address the inventor and manufacturer,

ALBERT H. HATCH,

400 Greenwich Street,

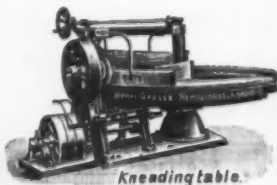
NEW YORK CITY.

The Standard for Champagne Quality



POMMERY (SEC OR BRUT)

THE GRILL DRYER
MADE BY
C.O. BARTLETT & CO.
CLEVELAND, O.



Kneading table.

HENRY GRASSO. 'S HERTOGENBOSCH
ESTABLISHED 1858. (HOLLAND)

MARGARINE MACHINERY

Also COMPLETE OUTFITS OF **A SPECIALTY**
MARGARINE FACTORIES

USED IN ALL LEADING FACTORIES THROUGHOUT THE WORLD.

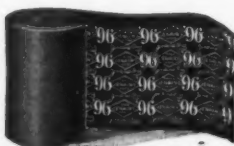
C. B. AULT

General Agent For

**Homestead Valve, Mohr Elastic Manhole Gasket
Layton Fire Brick, Layton Fire Clay**

Room 301, Western Union Bldg.

CHICAGO, ILL.

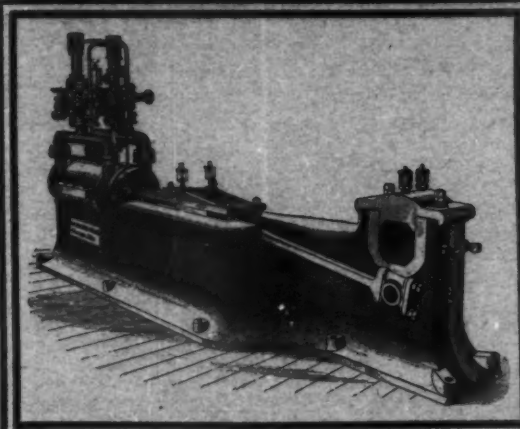


JENKINS '96 PACKING

Pronounced by steam users throughout the world the best joint packing manufactured. Expensive? Not at all, as it weighs 30 per cent. less than many other packings, consequently is much cheaper.

JENKINS BROTHERS - NEW YORK - BOSTON - PHILADELPHIA - CHICAGO

THE NATIONAL PROVISIONER OFFICIAL CHEMISTS
ANALYTICAL LABORATORY, to the New York
Produce Exchange,
150 Nassau St.,
New York.



A. H. BARBER MFG. CO.

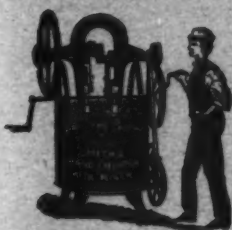
Refrigerating and Ice Making Machinery . . .

225 South Water Street.

We show herewith our class D Side Crank Compressor built for direct communication to Corliss Engines.
We manufacture two other styles in smaller sizes, suitable for markets, groceries, etc.

If interested, send for catalog and booklet "B" just issued.

Smith's Patent Celebrated Buffalo Choppers with Self-Mixers, used the World over.



BEST and CHEAPEST HAND CHOPPER IN THE WORLD.

Chops and mixes 20 lbs. fine in 15 minutes. Runs easy and is Strong and Durable. Send for Lowest Prices.



BUFFALO SPICE MILL

Best Mill ever put on the Market. It pays to grind your own spices, then you know it is pure.

Buffalo Chopper, Chops, Stirs and mixes at one time.



Best Lard Mixer ever Invented.

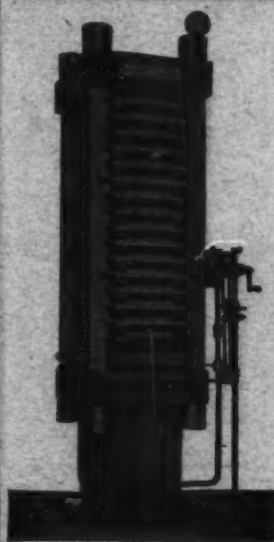
(Patent Applied for.)
75 to 800 Gallons Capacity.
MODERATE PRICES.

JOHN E. SMITH & SONS, Buffalo, N.Y.



Latest Silent Cutter.

WRITE FOR PARTICULARS.



The Buckeye Hydraulic Press.

THE BUCKEYE IRON and BRASS WORKS. **DAYTON, OHIO.**

Manufacturers of

**COTTONSEED OIL MILL
AND
LINSEED OIL MILL**

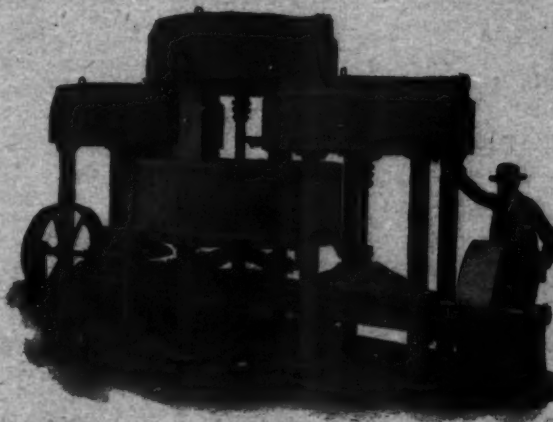
Machinery

OF ALL KINDS.

Rolls, Hydraulic Pumps, Cake Formers,
Meal Cookers and Accumulators.

The Most Perfect System of
Pressure Application.

The Very Latest Improvements
and the **VERY BEST.**



Set of 60-Ton Cookers for Cottonseed Oil Mills.

We publish the
NEWS
of your business

Subscribe for
The National Provisioner
150 Nassau Street, New York

ARMOUR & COMPANY

ESTB'D

1863

Manufacturers of the Celebrated

ARMOUR'S BREWERS' ISINGLASS;

Easily prepared. Quick acting. Guaranteed to clarify more beer than any other. Testing samples sent on application.

ANHYDROUS AMMONIA;

Pure. Dry. Reliable. Quick Delivery to all points.

General Offices: 205 La Salle St. Chicago



Pacific Coast Borax Co.

BORAX **BORACIC ACID**

POWDERED AND CRYSTAL REFINED POWDERED GRANULATED AND CRYSTAL

THE PRESERVING OF MEATS DEMANDS MODERN METHODS

Wisdom is shown by selecting a Preservative Reliable and Absolutely Harmless

CHICAGO, N. Water Street and La Salle Avenue NEW YORK, 100 William Street

SAN FRANCISCO, 101 Sansome Street

